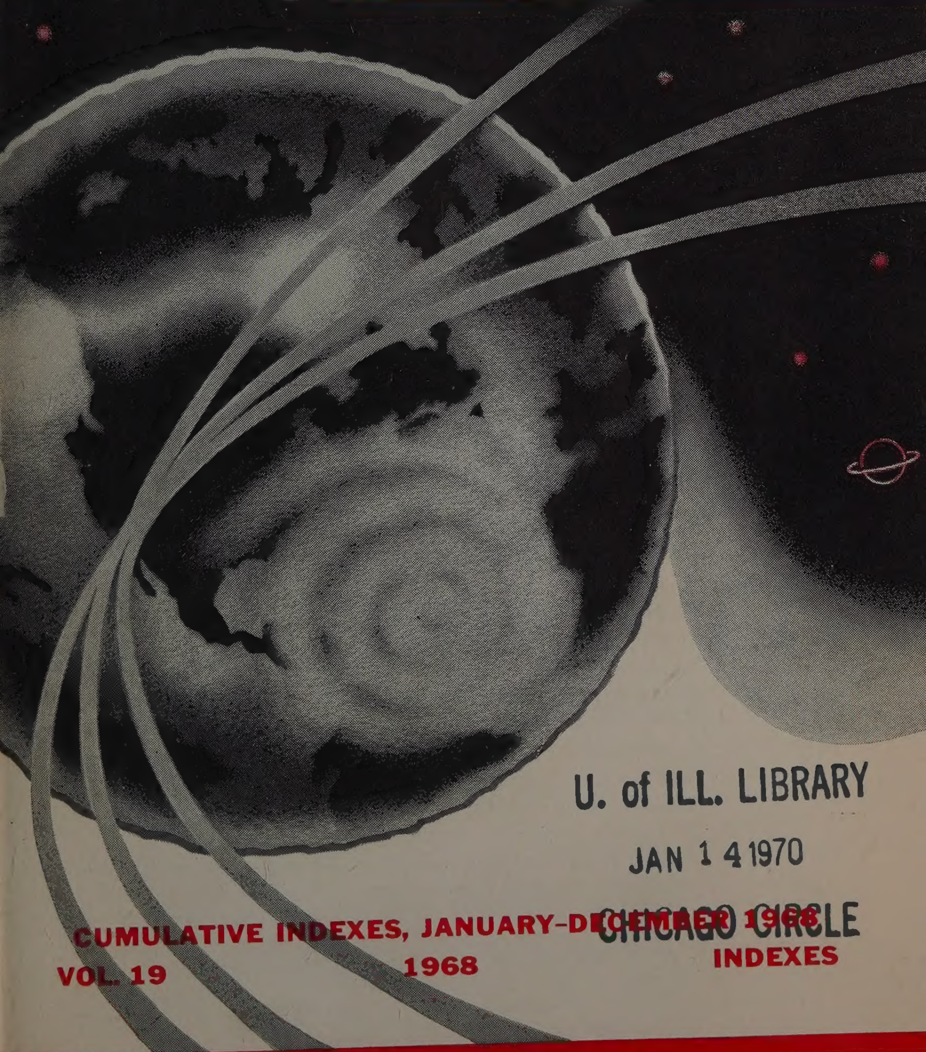
Meteorological & Geoastrophysical ABSTRACTS

QC
851
A62



U. of ILL. LIBRARY
JAN 14 1970
CHICAGO CIRCLE

CUMULATIVE INDEXES, JANUARY-DECEMBER 1968

VOL. 19 1968 INDEXES

PUBLISHED BY THE
AMERICAN METEOROLOGICAL SOCIETY

METEOROLOGICAL AND GEOASTROPHYSICAL ABSTRACTS

** *Editor:* MALCOLM RIGBY

Associate Editor: MARY L. RICE

Chief Cataloger: DOROTHY M. GROPP

Technical Editor and Acquisitions Officer: PARKASH SAMUEL

Corresponding Editor: *ANDRE VANDENPLAS (*Uccle, Belgium*)

Corresponding Analyst: ISADORE L. DORDICK (*Chicago, Ill.*)

Corresponding Analyst: *RONALD BAKER (*Bracknell, Eng.*)

Corresponding Analyst: *EVELYN Z. SINHA (*La Jolla, Calif.*)

Analyst: DOV KRIMGOLD

Asst. Tech. Ed.: *MARY B. DENNY

Asst. Tech. Ed.: *SUSANNE MANOVILL

Asst. Tech. Ed.: ANDREW J. MEGLIS

Analyst: *SYLVIA NOWINSKA

Subject Indexer: BETTY I. P. RAE (*London, Eng.*)

Chief Processor: FRANCES J. CRUSER

Cataloging

MARGARET C. BARROWS
*EDITH N. HAUPT
*MARGARET MATTHEWS

Indexing

*MILDRED CARROLL
*BETTY HARDGROVE
*ADELAIDE W. KUNDAHL
*HELEN I. RICKELS

Processing

WILHELM NUPEN
ESTHER S. NUPEN
*DORIS G. NICKEY
*CAROLINE E. WOOD

* Part time

** Without pay

PUBLICATION OFFICE: Prince & Lemon Sts., Lancaster, Pa. 17604.

EDITORIAL OFFICE: Washington, D. C. **P.O. ADDRESS:** Box 1736, Washington, D. C. 20013. Telephone LIncoln 6-6734.

ADMINISTRATIVE OFFICE: American Meteorological Society, Office of Executive Director, 45 Beacon Street, Boston, Mass. 02108.

Address all business communications, orders and inquiries to the Executive Director, Mr. Kenneth C. Spengler, 45 Beacon Street, Boston, Mass. 02108. Exchanges and reprints may be sent direct to P. O. Box 1736, Washington, D. C. 20013.

METEOROLOGICAL AND GEOASTROPHYSICAL ABSTRACTS is a monthly publication devoted to current abstracts in English on important meteorological and geoastrophysical literature in every language.

SUBSCRIPTION RATE: Government agencies and industrial, commercial, scientific and research organizations, $400.00. Educational institutions and public libraries, $200.00. Individuals (provided that the individual's organization subscribes at the appropriate rate): non-AMS members $40.00; AMS members $30.00. Back volumes: Vol. 16, 1965, Vol. 17, 1966, Vol. 18, 1967, and Vol. 19, 1968 same as above. Vol. 1, 1950–Vol. 15, 1964, $50.00 per vol.; $10.00 per issue. Special price, Vols. 1–10 (1950–1959), complete set $200.00.

851
A62
v.19
INDEXES
1968
MAIN

METEOROLOGICAL AND GEOASTROPHYSICAL ABSTRACTS

Vol. 19 · Indexes

Advisory Board

MALCOLM RIGBY, *Chairman*

WERNER A. BAUM
WOODROW C. JACOBS
FRANCIS S. JOHNSON
RICHARD H. BELKNAP
JACK M. McCORMICK

Supported by

DEPARTMENT OF DEFENSE
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
NATIONAL SCIENCE FOUNDATION

Cumulative Author and Subject Indexes
(Vol. 19, No. 1–12)

Jan.-Dec. 1968

(*For complete table of contents see back cover*)

Published monthly at Prince and Lemon Streets, Lancaster, Pa.
by the AMERICAN METEOROLOGICAL SOCIETY
45 Beacon Street, Boston, Mass. 02108

ERRATA—VOLUME 19, 1968

Note: In the following list, only the more important errors are included. Discrepancies in style, punctuation, accents, capitalization, subject headings, etc., are not listed as a rule, nor are errors in the monthly indexes of each issue, where these errors are corrected in this volume index. Errors of fact that have come to our attention, mistakes in spelling of the names of authors, and errors in title, journal entries or pagination are included. Any errors that have been overlooked should be called to our attention (by post card, addressed to: **Meteorological and Geoastrophysical Abstracts,** Box 1736, Washington, D. C. 20013).

No. 1. p. 4, *item* 19.1-10, *line* 1, *change* Vsesouiznoe *to* Vsesoiuznoe.
No. 2. p. 232, *item* 19.2-38, *line* 1, *change* U. S. National Committee *to* U. S. National Committee for the I.U.G.G.
p. 257, *item* 19.2-117, *line* 2, *change* Contract AF19(628)-5176 *to* Contract AF19(628)-5716.
No. 3. p. 483, *item* 19.3-155, *line* 1, *change* Aspilden *to* Aspliden.
p. 514, *item* 19.3-246, *line* 2, *change* 15°-micron *to* 15-micron.
No. 4. p. 685, *item* 19.4-13, *line* 12, *change* maniplate *to* manipulate.
p. 765, *item* 19.4-254, *line* 1, *change* Fovinkel' *to* Vowinckel.
p. 765, *item* 19.4-255, *line* 1, *change* Shesgerikov *to* Shesterikov.
p. 883, *item* 19.4-628, *line* 4, *change* Dan *to* San.
No. 5. p. 951, *item* 19.5-1, *line* 1, *change* Gandin, L. C. *to* Gandin, L. S.
p. 955, *item* 19.5-12, *line* 1, *change* Babichenko, V. H. *to* Babichenko, V. N.
p. 958, *item* 19.5-19, *line* 1, *change* Vsesouiznoe *to* Vsesoiuznoe.
p. 1143, *item* 19.5-623, *change* UDC (26.04:262) *to* (262.112).
p. 1148, *item* 19.5-638, *add* (262.5) *to* UDC.
p. 1150, *item* 19.5-644, *change* Subject Heading 3 *from* Southwest Atlantic *to* Florida Straits.
p. 1158, *item* 19.5-670, *change* UDC (265.2) *to* (265.5).
p. 1179, *item* 19.5-734, *delete* UDC (773) and Subject Heading 3. Lake Algonquin, Illinois.
No. 6. p. 1245, *item* 19.6-92, *line* 2, *change* single rhombic antennas *to* single rhombic antenna.
p. 1427, *item* 19.6-695, *change* Subject Heading 3 *from* Northeast Pacific Ocean *to* Coastal waters of West U. S.
p. 1427, *item* 19.6-696, *change* UDC (265.251) *to* (265.51).
p. 1430, *item* 19.6-703, *line* 4, *change* junction *to* function.
No. 7. p. 1565, *item* 19.7-255, *line* 1, *change* Bonneyman *to* Bonnyman.
p. 1653, *item* 19.7-522, *line* 1, *change* Rao, P. B. *to* Balarama Rao, P.
p. 1716, *item* 19.7-748, *change* UDC (267) *to* (267.64).
No. 8. p. 1881, *item* 19.8-328, *line* 3, *change* AF19(629)5039 *to* AF19(628)5039.
p. 1882, *item* 19.8-333, *line* 3, *change* H_20iSO_2 *to* H_20iCO_2.
p. 2009, *item* 19.8-729, *add* (268.45) to UDC.
p. 2011, *item* 19.8-737, *add* (262.5) to UDC.
No. 9. p. 2099, *item* 19.9-130, *line* 1, *change* Gaundin *to* Gandin.
p. 2186, *item* 19.9-397, *line* 1, *change* Persistance *to* Persistence.
p. 2303, *item* 19.9-775, *change* UDC (265/266) *to* (265:213).
p. 2304, *item* 19.9-775, *change* Subject Heading 2 *from* Intertropical Pacific *to* Tropical Pacific.
p. 2305, *item* 19.9-781, *change* UDC (266) *to* (265.7-13).
p. 2306, *item* 19.9-784, *change* UDC (263) *to* (261) and *add* Subject Heading 5 Atlantic Ocean.
p. 2307, *item* 19.9-789, *change* UDC (26.04:72) *to* (261.64).
No. 10. p. 2370, *item* 19.10-29, *line* 1, *change* Glenn *to* Glen.
p. 2371, *item* 19.10-30, *change* Subject Heading 7 *to* 6; Subject Heading 6 *to* 7, and change *from* Polar regions *to* Polar (Arctic and Antarctic) Regions.
p. 2409, *item* 19.10-159, *line* 1, *change* Dorinin *to* Doronin.
p. 2513, *item* 19.10-493, *change* Subject Heading 2 *from* Musalla Mt. *to* Musala Peak.
p. 2588, *item* 19.10-751, *change* Subject Heading 4 *from* . . .Coastal Waters of Wales and Iceland *to* Coastal Waters of Wales and Ireland.
No. 11. p. 2717, *item* 19.11-285, *line* 1, *change* Diaconescu, I. Gh. *to* Diaconescu, Gh. I.
p. 2722, *item* 19.11-303, *line* 1, *change* Diaconescu, I. Gh. *to* Diaconescu, Gh. I.
p. 2863, *item* 19.11-748, *line* 2, *change* flow *to* floe.
No. 12. p. 2975, *item* 19.12-200, *line* 1, *change* Maximov *to* Maksimov.
p. 3022, *item* 19.12-343, *line* 1, *change* Zaverina *to* Zavarina.
p. 3060, *item* 19.12-451, *change* Subject Heading 4 *from* Mt. Musalla *to* Musala Peak.
p. 3126, *item* 19.12-670, *change* UDC (261.26) *to* (268.428).

AN ALPHABETICAL LIST OF BIBLIOGRAPHIES PUBLISHED IN PART II OF METEOROLOGICAL AND GEOASTROPHYSICAL ABSTRACTS (UNTIL 1960 METEOROLOGICAL ABSTRACTS AND BIBLIOGRAPHY), VOL. 1, NO. 1, JAN. 1950–VOL. 15, NO. 12, 1964

Acoustical Propagation, 1(10), 1950; 10(7), 1959
Aerobiology, 1(2), 1950
Agricultural Meteorology, 10(Supplement No. 3), 1959
Airglow, 8(2), 1957; 11(11), 1956
Albedo, 8(7), 1957
Arctic Synoptic Meteorology, 7(1), 1956
Atmospheric Cynamics and Circulation, 12(12), Pt. 3, 1961
Atmospheric Pollution, 1(11), 1950
Auroral Physics, 4(10), 1953; 5(3), 1954; 12(1,2), 1961

Balloons, 5(5), 1954
Bibliographies, 6(1.2), 1955
Brooks, C. E. P., Works of, 10(1), 1959

Carbon Dioxide, 3(2), 1952
Climate of Arctic, 5(9), 1954
Climate of Argentina, etc., 3(3), 1952
Climate of Australia, 4(4), 1953
Climate of Central Africa, 3(8), 1952
Climate of Enclosed Spaces, 7(2), 1956
Climate of Middle East, 2(6), 1951
Climate of Near East, 2(5), 1951
Climate of Northeast Africa, 2(10), 1951
Climate of Northwest Africa, 3(1), 1952
Climate of Pacific, 4(9), 1953
Climate of Southeast Asia, 5(2), 1954
Climatic Changes, 1(7), 1950; 15(11,12), 1964
Cloud Physics, 1(3), 1950; 6(6), 1955; 13(3), 1962
Condensation Trails, 2(9), 1951
Constants, Nomograms, etc., 2(5), 1951
Cooling Power, 6(11), 1955
Cosmic Rays, 7(3,4), 1956; 9(9), 1958; 13(4), 1962; 14(10,11), 1963

Dew, 3(4), 1952

Energy Exchange Sea-atmosphere, 13(5), 1962
Evaporation, 1(11), 1950; 10(8), 1959
Evapotranspiration, 10(9,10), 1959

Forecast Verification, 11(7), 1960
Forecasting, 12(12 Pt. 1), 1961
Forecasting Special Elements, 8(3), 1957
Forest Micrometeorology, 8(4), 1957
Frost, 4(3), 1953

Geomagnetism, 9(10,11), 1958; 13(2), 1962
Glaze and Rime, 3(10), 1952

Hail, 1(4), 1950
Humidity Instruments, 13(12), 1962
Hydrometeorological Forecasting, 8(5), 1957; 10(Supplement No. 2), 1959

Icing, 1(9), 1950
Industrial Meteorology, 5(10), 1954
Instruments and Techniques, 10(Supplement No. 1), 1959
Inversions, 7(6), 1956
Ionosphere, 6(4), 1955; 11(4,5,6), 1960; 13(6), 1962; 13(10), 1962; 15(1), 1964; 15(12), 1964

Jet Stream, 4(7), 1953

Lightning, 14(9), 1963
Limnology, 12(3), 1961
Long Range Forecasting, 2(1,2), 1951; 9(7), 1958
Lunar Influences, 14(12), 1963

Medical Meteorology, 8(11), 1957
Meteors, 8(8), 1957
Mountain Meteorology, 2(11), 1951

Noctilucent Clouds, 15(4), 1964
Nuclei, 6(8,9), 1955; 15(6), 1964
Numerical Forecasting, 5(6), 1954; 8(6), 1957; 11(3), 1960; 14(6), 1963

Objective Forecasting, 3(5), 1952
Ocean Waves, 5(11), 1954
Ocean Waves and Currents, 9(4), 1958; 13(9), 1962; 15(5), 1964
Oceanographic Instruments, 14(4,5), 1963
Oceanographic Meteorology, 5(1), 1954
Ozone, 10(5,6), 1959

Physical and Dynamic Oceanography, 9(5,6), 1958; 12(12 Pt. 2), 1961
Planetary Atmospheres, 12(9,10,11), 1961
Precipitation, 10(Supplement No. 2), 1959
Precipitation Chemistry, 12(7), 1961

Radar Meteorology, 2(8), 1951; 6(7), 1955; 9(8), 1958; 11(8), 1960; 14(2), 1963
Radiation Bioclimatology, 4(8), 1953
Radiation Data, 5(7), 1954
Radioactivity in the Atmosphere, 7(5), 1956; 9(3), 1958; 13(7,8), 1962; 15(8), 1964
Radio Astronomy, 9(1), 1958; 14(7,8), 1963; 15(9), 1964
Reference Works, 11(1), 1960
Rocket Meteorology, 11(9), 1960

Satellite Meteorology, 11(10), 1960; 14(3), 1963; 15(2,3), 1964
Sferics, 4(11), 1953; 10(4), 1959
Snow Micrometeorology, 7(7,8), 1956
Soil Moisture, 10(3), 1959
Soil Temperature, 2(3), 1951
Solar Astrophysics, 9(2), 1958
Solar Events, 13(11), 1962
Solar Radiation, 15(10), 1964
Solar Weather Relationships, 8(1), 1957
Special Winds, 2(7), 1951
Storm Surges, 6(3), 1955
Stratus Forecasting, 3(6), 1952
Subsurface Ocean Currents, 15(5), 1964

Textbooks, 11(2), 1960
Thunderstorms, 1(8), 1950
Tornadoes, 1(5), 1950; 10(2), 1959
Tropical Cyclones, 7(9,10,11), 1956
Tropopause, 5(4), 1954
Tropospheric Propagation, 8(9,10), 1957
Turbulence, 3(11), 1952; 4(1,2), 1953

Upper Atmosphere Humidity, 12(8), 1961
Upper Atmosphere Photochemistry, 6(5), 1955
Upper Atmosphere Structure, 12(4,5,6), 1961
Upper Atmosphere Winds, 4(5,6), 1953
Urban Climatology, 3(7), 1952

Van Allen Belts, 13(1), 1962
Vertical Motion, 5(8), 1954
Visibility, 3(9), 1952
Volcanic Dust, 1(6), 1950

Weather Modification, 1(3), 1950; 6(10), 1955; 11(12), 1960; 13(3), 1962; 14(1), 1963; 15(6,7), 1964
Wind Waves and Swell, 5(11), 1954

CUMULATIVE AUTHOR INDEX

Vol. 19, No. 1-12, Jan.—Dec. 1968

Note: In this index, author entries are arranged alphabetically and, under each author, the titles are likewise arranged alphabetically by the first word (other than an article) of the original title. The translated title is placed in brackets after foreign language titles, except for French, Italian, Spanish, and Portuguese. Authors whose names begin with an article or preposition (van, de, di, le, la, etc.) are generally indexed under that article or preposition. Cross references indicate variations from that practice, or possible alternative entries. All titles are listed under the first author. Co-authors, if any, are mentioned after the title. This simplifies arrangement of titles under any given author. Separate indexes are provided for contract reports (by contract, grant, or project number) and for translations (by author).

A

Aamot, Haldor W. C.
Pendulum steering for thermal probes in glaciers, 19.4-717
Philberth probe for investigating Polar ice caps, 19.10-768
Aangstroem, A. K., *see* **Drummond, A. J.,** 19.8-324
Aarons, Jules
Ionospheric irregularities at Arecibo, Puerto Rico, 19.4-401
Ionospheric scintillations at 136 MHz from a synchronous satellite (*with* **Whitney, H. E.**), 19.6-474
Solar flare of May 23, 1967, 19.5-591
See also **Castelli, J. P.,** 19.2-482
Abal'ian, T. S.
Osnovnye vysotnye zony formirovaniia stoka rek Srednei Azii v razlichnye mesiatsy vegetatsionnogo perioda [Principal altitude zones of river flow formation in Central Asia during different months of the growing season], 19.4-750
Abayaratna, A., *see* **Smith, D. E.,** 19.6-555
Abbadini, Marilena
Manto nevoso in Piemonte nell'inverno 1962-1963, 19.2-294
Abbas, M. A.
Experimental investigation of the selective ion-capture theory of cloud electrification (*with* **Latham, J.**), 19.4-395
Abbasov, A. R.
O chastotnom spektre medlenno meniaiushcheisia komponenty radioizlucheniia Solntsa [Frequency spectrum of the slowly varying component of solar radio emission], 19.11-615
O sviazi potoka radioizlucheniia lokal'nykh istochnikov na solntse so stroeniem aktivnykh oblastei, nabliudaemykh opticheski [Relationship between the radio emission flux from local solar sources and the structure of the Sun's active regions observed visually] [and Eng. transl.], 18.1-467
Abbot, Charles Greeley
Comments on solar constant, 19.2-193
Solar magnetism and world weather, 19.10-180
Abbott, C. E., *see* **Atkinson, W. R.,** 19.2-105
Abbott, William L., *see* **Risley, C., Jr.,** 19.3-688
Abdu, M. A.
Deduction of electron temperature from F-region component of absorption of cosmic radio noise (*with* **Degaonkar, S. S.**), 19.4-402
See also **Degaonkar, S. S.,** 19.7-500
Abdullah, Abdul Jabbar
Note on the "square cloud" [Comments by W. A. Lyons], 19.5-298
Abdumalikova, T., *see* **Gruza, G. V.,** 19.3-211
Abel, William G., *see* **Newell, R. E.,** 19.11-542
Abele, Gunars
Snow and ice properties as related to roads and runways in Antarctica (*with* **Frankenstein, G.**), 19.12-391
Abell, Benjamin F.
Severe local storm, 19.10-47
Abhirama Reddy, C.
On the physical significance of the Es parameters fbEs, fEs, and foEs (*with* **Rao, M. M.**), 19.4-403
Solar cycle variation of blanketing sporadic E (*with* **Matsushita, S.**), 19.8-496
Variations of neutral wind shears in the E-region as deduced from blanketing Es (*with* **Matsushita, S.**), 19.12-463
Abraham, Barbara (Shrauner)
Propagation of hydromagnetic waves through an anisotropic plasma, 19.5-512
Shock jump conditions for an anisotropic plasma, 19.3-499
Abraham, Farid F.
Physical interpretation of the structure of the

ventilation coefficients for freely falling waterdrops, 19.2-240
Reexamination of homogeneous nucleation theory: thermodynamic aspects, 19.2-270

Abramov, R. V.
Divergentsiia vetrovogo polia nad severnoi chast'iu Atlanticheskogo okeana [Divergence of the wind field over the North Atlantic] [and Eng. transl.], 19.1-255
Ob odnom interesnom proiavlenii tsikla Khela v tsirkuliatsii zemnoi atmosfery [Interesting display of Hale's cycle in the circulation of the terrestrial atmosphere] [and Eng. transl.], 19.1-187
See also **Maksimov, I. V.,** 19.4-226

Abramovich, K. G.
Characteristics of atmospheric processes on days with a low cloud cover [Transl. from Russ.], 19.5-296
Nekotorye osobennosti perenosa v nizhnikh sloiakh atmosfery i ikh rol'v formirovanii stratifikatsii pri nizhnei oblachnosti [Some characteristics of transport in the lower layers of the atmosphere and their role in the formation of stratification in the case of low cloud cover], 19.6-334

Abrashina, N. N.
Dlinnye volny ot periodicheskikh davlenii v neodnorodnoi zhidkosti peremennoi glubiny [Long waves induced by periodic pressures in an inhomogeneous fluid of variable depth] [and Eng. transl.], 19.5-696

Abrosimov, A. T.
Study of short-period variations and microvariations in cosmic-ray intensity by means of single scintillation counters (*with* **Blokh, Ia. L.**) [Transl. from Russ.], 19.1-15

Abshaev, M. T.
O funktsii raspredeleniia grada [Function of hail distribution] (*with* **Chepovskaia, O. I.**), 19.4-363
O vozmozhnostiakh mikrostrukturnykh issledovanii oblakov i osadkov radiolokatsionnymi metodami [Possibilities of investigation of cloud and precipitation microstructure by radar] (*with* **Dadali, Iu. A.**), 19.9-139
Radiolokatsionnye kharakteristiki i mikrostruktura konvektivnykh oblakov [Radar characteristics and microstructure of convective clouds], 19.9-140

Abuziarov, Z. K.
Chislennyi prognoz polei vetra i volneniia [Numerical forecast of wind and wave fields], 19.11-203
See also **Karakash, A. I.,** 19.7-165

Accerboni, E.
Localizzazione dei deflussi d'acqua dolce in mare mediante un conduttometro elettrico superficiale a registrazione continua [Location of fresh water springs in coastal areas by means of continuous recording of surface electrical conductivity], (*with* **Mosetti, F.**), 19.7-823

Acheson, Donald T.
Approximation to arithmetic averaging for meteorological variables, 19.12-279

Achtemeier, Gary L.
Trajectories of thunderstorms and accompanying severe weather over the midwest on August 25, 1965, 19.10-276

Ackerman, Bernice
Energy spectra for cloudy air, 19.1-248

Acrivos, Andreas, *see* **Pan, F. Y.,** 19.12-274

Adam, John R.
Stability of colliding water droplets (*with* **Lindblad, N. R.** and **Hendricks, C. D.**), 19.12-322

Adam, M. G.
Sunspot magnetic fields: determination of the configuration of the lines of force, 19.6-615

Adamenko, V. N.
K probleme izucheniia mnogoletnei izmenchivosti sostavliaiushchikh radiatsionnogo i teplovogo balansov v gornykh raionakh [Study of the long period variability of radiation and heat balance components in mountain regions], 19.10-278

Adams, J. D., Jr.
Gravitational perturbations of highly elliptic geocentric orbits, 19.7-630

Adams, J. K., *see* **Buchwald, V. T.,** 19.12-741

Adams, James J., *see* **Williams, J. R.,** 19.5-44

Adams, John B.
Lunar and Martian surfaces: petrologic significance of absorption bands in the near-infrared, 19.10-673
Lunar surface composition and particle size: implications from laboratory and lunar spectral reflectance data, 19.2-493

Adams, Thomas F.
Model atmosphere for a B4 V star with line blanketing (*with* **Morton, D. C.**), 19.12-658

Adams, W. Peter
Ablation and run-off on the White Glacier, Axel Heiberg Island, Canadian Arctic Archipelago, 19.1-583

Adamy, Laszlo
Kisugarzasi koed foeloszlasanak elorejelzese [Forecasting the time for clearance of radiation fogs], 19.1-121

Adcock, C.
Analysis of experimental results on fluctuations of muon and electron numbers in extensive air showers (*with others*), 19.11-550

Adderley, E. E.
Rainfall increases down-wind from cloud seeding projects in Australia, 19.11-226

Addison, J. R.
Electrical properties of saline ice (*with* **Pounder, E. R.**), 19.12-753

Addor, E. E.
Environmental characteristics of tunnels in South Vietnam, 19.9-541

Adelfang, S. I., *see* **Lappe, U. O.,** 19.11-386

Adenstedt, Rolf K.
Extension to theory of time series analysis (*with* **Freiberger, W.**), 19.7-99
Weather regimes in stochastic meteorological models, 19.11-108

- **Adler, Cyrus**
  - Isobaric buoys: a new class of subsurface floats, 19.7-721
- **Adler, I.,** *see* **O'Keefe, J. A.,** 19.3-581
- **Adrianov, S. N.**
  - Agrometeorologicheskaia effektivnost' sovmestnogo primeneniia drevesnykh polos i agrotekhnicheskikh priemov protiv defliatsii pochvy [Agrometeorological effectiveness of the joint use of the forest belts and agrotechnical methods against field deflation], 19.3-237
- **Advances in Hydroscience, Vol. 4,** 19.9-34
- **Aerojet-General Corp., El Monte, Calif. Space-General Div.**
  - Weather Satellite Picture Pattern Recognition and Compression Study, 19.10-121
- **Aerospace Year Book, Vol. 46, 1968,** 19.9-44
- **Afanas'ev, N. I.,** *see* **Lupinovich, I. S.,** 19.9-528
- **Affronti, F.**
  - Straordinario gradiente pluviometrico del Monte Etna, 19.5-318
- **Afinogenov, L. P.**
  - K voprosu avtomatizatsii meteorologicheskikh izmerenii [Automation of meteorological measurements] (*with others*), 19.8-138
  - Logicheskie elementy na printsipe raspredeleniia toka i ikh ispol'zovanie dlia postroeniia diskretnykh skhem, Chast' 1 [Logical elements based on the principle of current distribution and their utilization for the construction of discrete schemes, pts. 1-2 (*with* **Radomysl'skaia, N. I.**), 19.9-192
  - Magnitnyi shchup dlia beskontaktnogo izmereniia impul'snykh tokov [Magnetic sensor for contactless measurement of pulse currents] (*with* **Grushin, S. I.** and **Romanov, E. V.**), 19.9-145
- **Afonina, R. G.**
  - Magnitnaia aktivnost' v vysokikh shirotakh severnogo polushariia v period MGSS [Magnetic activity in high latitudes of the Northern Hemisphere during the IQSY period] (*with* **Fel'dshtein, Ia. I.**) [and Eng. transl.], 19.5-503
  - Poliarnye magnitnye vozmushcheniia i vtorzhenie energichnykh chastits v ionosferu [Polar magnetic disturbances and the penetration of energetic particles into the ionosphere] (*with* **Fel'dshtein, Ia. I.**) [and Eng. transl.], 19.11-566
- **Afraimovich, E. B.**
  - Srednie S_q-polia po danným za sentiabr' 1958 g [Mean S_q-field based on Sept. 1958 data] (*with others*), 19.2-442
- **Agarwal, K. N.**
  - Non-destructive testing of moisture in building materials using microwave absorption, 19.6-84
- **Ager, Bengt**
  - Snow cover properties and winter climate in North Sweden, 19.11-466
- **Aggarwal, A. K.**
  - Optical measurement of atmospheric refractive-index gradient over a curved cold surface (*with* **Kaw, P. K.**), 19.5-178
- **Aggarwal, G. C.**
  - Note on flood forecasting and warning (*with* **Jain, R. K.**), 19.8-179
- **Agy, Vaughn**
  - Ionospheric disturbance and HF radar, 19.9-570
- **A'Harrah, Ralph C.**
  - Maneuverability and gust response problems associated with low-altitude, high-speed flight, 19.11-77
- **Ahmad, Irshad,** *see* **Zafar, G. F.,** 19.2-612
- **Ahmad, Nazir**
  - Research on water and land for survival, 19.3-677
  - Water conservation studies for West Pakistan, 19.3-724
- **Ahrnsbrak, William F.**
  - Summertime radiation balance and energy budget of the Canadian Tundra, 19.10-279
- **Ahtye, Warren F.**
  - Critical evaluation of the use of ultrasonic absorption for determining high-temperature gas properties, 19.12-166
- **Aikin, A. C.**
  - Rocket measurements of the E-region electron concentration distribution in the vicinity of the geomagnetic equator (*with* **Blumle, L. J.**), 19.8-497
  - *See also* **Maeda, K.,** 19.4-192; 19.9-282
- **Ailman, C. M.**
  - Narrow band cross-correlation analysis of fluctuating pressures beneath a turbulent boundary layer (*with* **Hopkins, A. S.**), 19.9-80
- **AFCRL Scientific Balloon Symposium, 4th, Portsmouth, Sept. 1966**
  - Proceedings, 19.5-89
- **Air Pollution Control Association, Pittsburgh, Pa., TA-5 Committee,** *see* **Coe, E. L., Jr.,** 19.2-136
- **Aitchison, R.**
  - Stability of electronic equipment, 19.9-31
- **Aizatullin, T. A.**
  - Formal'naia khimiko-kineticheskaia kharakteristika protsessov regeneratsii mineral'nykh soedinenii biogennykh elementov [Formal chemical-kinetic characteristics of the regeneration processes of mineral compounds in biogenic elements], 19.1-549
- **Akademiia Nauk SSSR,** *see* **International Symposium on Dynamics of Large-Scale Processes in the Atmosphere, 2nd, Moscow, June 1965,** 19.1-14
- **Akademiia Nauk SSSR. Institut Geografii**
  - Antropogennyi faktor v razvitii ozer [Human influences on the development of lakes], 19.5-744
  - Geofizika landshafta [Geophysics of the Landscape], 19.12-16
  - Sredniaia Aziia: fiziko-geograficheskaia kharakteristika [Central Asia: physico-geographical characteristics], 19.10-10
- **Akademiia Nauk SSSR, Izvestiia. Fizika Atmosfery i Okeana**
  - Fizika atmosfery i okeana v SSSR za 50 let [Atmospheric and oceanic physics in the U.S.S.R. for 50 years] [and Eng. transl.], 19.6-49
  - Obsuzhdenie voprosa o ravnovesnom gradiente temperatury [Discussion on equilibrium

temperature gradient] [and Eng. transl.], 19.1-250

Akademiia Nauk SSSR. Mezhduvedomstvennyi Geofizicheskii Komitet
- Bibliograficheskii ukazatel' literatury na russkom iazyke za 1964 g [Bibliographical index of the literature in the Russian language for 1964], 19.3-32

Akademiia Nauk SSSR. Sibirskoe Otdelenie. Institut Merzlotovedeniia
- Sezonnoe protaivanie i promerzanie gruntov na territorii Severo-Vostoka SSSR [Seasonal thawing and freezing of soils in Northeastern U.S.S.R.], 19.1-234

Akamatsu, Hideo
- New research vessel Ryofu-Maru II and the cruise records of old Ryofu-Maru, 19.2-523

Akasofu, Syun Ichi
- Auroral oval and the internal structure of the magnetosphere, 19.1-393
- Auroras, 19.4-461
- Geomagnetic storms and auroras (*with* **Chapman, S.**), 19.11-584
- Growth of the storm-time radiation belt and the magnetospheric substorm, 19.12-550
- Low latitude negative bays (*with* **Meng, C. I.**), 19.6-534
- Significance of the multiple structure of the auroral arc (*with* **Chapman, S.** and **Kendall, P. C.**), 19.2-391
- *See also* **Kawasaki, K.**, 19.3-467; **Meng, C. I.**, 19.5-501; **Yoshida, S.**, 19.10-598

Akbarov, A. A.
- Nalednye obrazovaniia v basseine r. Chiyle [Ice layer formation in the Chiile river basin], 19.12-801

Akif'eva, K. V.
- Sovremennoe sostoianie kartografirovaniia lavin v SSSR i voprosy metodiki sostavleniia melkomasshtabnykh kart lavin [Present state of avalanche mapping in the U.S.S.R. and problems of methods of compiling small scale avalanche maps] (*with* **Kravtsova, V. I.**), 19.11-468

Akim, E. L.
- Opredelenie polia tiagoteniia Luny po dvizheniiu iskusstvennogo sputnika Luny "Luna-10" [Determination of the Moon's gravitational field from the motion of the artificial Moon satellite "Luna-10"] [and Eng. transl.], 19.11-644

Akin, Clifford M.
- Comparison of convective stagnation heat transfer in air, CO_2-N_2 and CO_2-Ar gas mixtures (*with* **Marvin, J. G.**), 19.8-278

Akitaya, Eiji
- Some experiments on the growth of depth hoar, 19.12-381

Akiyama, I., *see* **Asahi, M.**, 19.7-144

Akiyama, Tsutomu
- On the distribution of *in situ* pH in the adjacent seas of Japan (*with others*), 19.5-651
- Organic phosphorus and total iron in the Antarctic Ocean and adjacent seas, 19.11-714
- *See also* **Matsumoto, S.**, 19.3-252

Akkuratov, V. N.
- Meteorological conditions of avalanche formation in the Khibiny, 19.3-337

Akopian, A. S.
- Problem of determining evaporation from the soil surface with the ground-water table at various depths [Transl. from Russ.], 19.9-842

Akron. Ohio. Univ. Dept. of Electrical Engineering, *see* **Huss, P. O.**, 19.8-375

Aksenov, A. N.
- Opyt fotometricheskogo issledovaniia atmosfernoi aktivnosti Iupitera v 1964-1965 gg [Photometric study of atmospheric activity of Jupiter in 1964-1965] (*with others*), 19.12-603

Akul'shina, L. G.
- Fotoelektricheskii pribor dlia izmereniia spektra i kontsentratsii zhidkikh chastits aerozolia [Photoelectric device for measuring spectra and concentrations of liquid aerosol particles] (*with others*), 19.8-149

Alabastro Fagela, Estrella B., *see* **Fagela, Estrella B. Alabastro**

Alaka, M. A.
- Numerical experiments leading to the design of optimum global meteorological networks (*with* **Lewis, F.**), 19.4-82
- Survey of studies of aerological network requirements, 19.4-83

Alaska. Univ., College. Geophysical Inst., *see* **Fremouw, E. J.**, 19.8-540; **Mather, K. B.**, 19.11-393; **Wilson, C. R.**, 19.3-486

Albanes, N. J.
- Considerations in automating meteorological data-acquisition systems, 19.4-113

Albee, P. R.
- Spatial model of the F-region ionospheric traveling disturbance following a low-altitude nuclear explosion (*with* **Kanellakos, D. P.**), 19.9-571

Albers, Hugh W.
- Bottom water formation in the Norwegian Sea, 19.5-672

Albert, R.
- Formation de la depression tropicale "Iris" (Janvier 1965 - Ocean Indien du sud-ouest), 19.7-290

Albert, Richard D.
- Energy and flux variations of nearly monoenergetic auroral electrons, 19.4-467

Alberts, M., *see* **Degewij, J.**, 19.9-691

Albrecht, H. J.
- Using ionospheric prediction charts to tentatively forecast VLF signal intensity in satellite communications, 19.10-510

Albright, George A.
- Man in space, 19.1-21
- Space environments (*with others*), 19.1-21

Aldaz, Luis
- On a relationship between air temperature and oxygen isotope ratio of snow and firn in the South Pole region (*with* **Deutsch, S.**), 19.6-414
- Surface air radioactivity and ozone at Amundsen-Scott station (90° S), Antarctica, 19.1-133

Alder, B., *see* **Oeschger, H.**, 19.4-718

- **Alder, J. E.,** *see* **Collis, R. T. H.,** 19.7-358
- **Alderman, Dorus D.**
  - Short range forecasting of dryoff time from dew block dew intensity (*with* **Bryan, K. E.**), 19.8-180
- **Aldrich, John**
  - Soaring in the jet stream, 19.6-61
- **Aleem, A. A.**
  - Concepts of currents, tides and winds among medieval Arab geographers in the Indian Ocean, 19.2-243
- **Alekin, O. A.**
  - O znachenii ionnogo stoka rek dlia okeana [Oceanographic significance of ion discharge of rivers] [and Eng. transl.], 19.1-545
- **Aleksandrian, G. A.**
  - Osnovnye cherty rezhima atmosfernykh osadkov v Armianskoi SSR [Principal features of the precipitation regime in the Armenian SSR], 19.9-508
- **Aleksandrov, E. L.**
  - K voprosu o kondensatsionnom roste kapel' na gigroskopicheskom iadre [Condensation growth of a drop on a hygroscopic nucleus] (*with* **Levin, L. M.** and **Sedunov, Iu. S.**), 19.5-284
  - Kondensatsionnyi rost kapli rastvora [Growth of drops of a solution by condensation] (*with* **Levin, L. M.** and **Sedunov, Iu. S.**) [and Eng. transl.], 19.1-287
  - O davlenii vodianogo para nad rastvorami [Water vapor pressure over solutions], 19.5-276
- **Aleksandrov, Iu. N.**
  - Osobennosti spektra otrazhennykh Veneroi radiovoln [Peculiarities of the spectrum of radiowaves, reflected by Venus] (*with* **Ziatitskii, V. A.** and **Rzhiga, O. N.**) [and Eng. transl.], 19.5-552
- **Aleksandrov, V. S.**
  - Atmosfernaia turbulentnost' v kuchevo-dozhdevykh oblakakh i riadom s nimi [Atmospheric turbulence within and around cumulonimbus] (*with* **Silaeva, V. I.** and **Shmeter, S. M.**), 19.9-423
  - Miniature devices for measuring heat radiation [Transl. from Russ.], 19.8-118
- **Aleksaniants, S. M.**
  - Opredelenie dal'nosti vidimosti ognei vysokoi intensivnosti [Determination of the range of visibility of high intensity lights] (*with* **Konovalov, Iu. G.** and **Chnukov, V. I.**), 19.5-39
- **Alekseev, G. V.**
  - Opyt postroeniia interpoliatsionnykh i ekstrapoliatsionnykh formul dlia neperiodicheskikh kolebanii urovnia moria [Construction of interpolation and extrapolation formulas for nonperiodic sea level fluctuations] (*with* **Podol'skaia, G. I.**), 19.10-718
- **Alekseev, L. M.**
  - Raspredelenie serovodoroda na razreze Khersones-Bosfor v Chernom more [Distribution of hydrogen sulfide along the Kherson-Bosporus cross-section in the Black Sea], 19.11-715
- **Alekseev, V. A.**
  - Vliianie sherokhovatosti verkhnego pokrova luny na izluchatel'nuiu sposobnost' i raspredelenie radioarkosti [Influence of the roughness of the upper lunar cover on emissivity capacity and radio brightness distribution] (*with others*), 19.5-548
- **Alekseev, V. G.**
  - Primery sravneniia odnomernykh i trekhmernykh spektrov skorosti i temperatury [Examples of comparison one and three dimensional spectra of velocity and temperature] (*with* **Iaglom, A. M.**) [and Eng. transl.], 19.2-161
- **Alekseeva, L. M.**
  - Statsionarnaia konvektsiia plazmy nizkogo davleniia [Stationary convection of a low-pressure plasma] [and Eng. transl.], 19.2-456
- **Aleman, Pedro A. Mosino,** *see* **Mosino Aleman, Pedro A.**
- **Alexander, A. J.**
  - Theory for the oscillating lift on a circular cylinder, 19.11-380
- **Alexander, E. C., Jr.,** *see* **Canalas, R. A.,** 19.12-608
- **Alexander, Harold**
  - Creep characteristics of polyethylene film, 19.5-90
- **Alexander, R. B.,** *see* **Smith, L. L.,** 19.8-549
- **Alexander, W. M.**
  - Zodiacal dust measurements in Cis-lunar and interplanetary space from OGO III and Mariner IV experiments between June and December 1966 (*with* **Bohn, J. L.**), 19.8-632
  - *See also* **Nilsson, C. S.,** 19.1-147
- **Alexeeva, N.**
  - Method of pattern synthesis for equally and unequally spaced arrays, 19.9-31
- **Alfonso-Faus, Antonio**
  - Rotation of the solar wind plasma, 19.6-544
- **Alford, Donald L.**
  - Estimating depth-load values in the spring alpine snowpack, 19.6-416
- **Alfven, Hannes**
  - On the importance of electric fields in the magnetosphere and interplanetary space, 19.3-500
  - On the origin of the solar system, 19.6-583
  - Partial corotation of a magnetized plasma, 19.6-542
  - Solar magnetic fields, 19.5-599
- **Al-Gain, A. A.,** *see* **Kao, S. K.,** 19.7-341
- **Alianchikova, G. N.**
  - On the problem of checking meteorological instruments and testing equipment [Transl. from Russ.], 19.8-120
- **Aliev, A.,** *see* **Kamalov, B. A.,** 19.12-770
- **Alkezweeny, A. J.,** *see* **Hobbs, P. V.,** 19.12-328
- **Alksne, Alberta Y.,** *see* **Spreiter, J. R.,** 19.8-602; 19.10-636
- **Allain, Charles**
  - Hydrologie et les courants generaux du detroit de Danemark et du nord de la mer d'Irminger du 20 mars au 8 mai 1963: participation de la "Thalassa" a la campagne internationale

Norwestlant I (*with* **Dardignac, J.** and **Vincent, A.**), 19.4-607

Allan, D. W.
Secular variation of the Earth's magnetic field (*with* **Bullard, D. C.**), 19.5-473

Allan, R. R.
Longitude dependence of the geopotential, deduced from synchronous satellites (*with* **Piggott, B. A. M.**), 19.11-304
Satellite resonance with longitude-dependent gravity: effects involving the eccentricity, 19.8-616

Alldredge, Leroy R.
Instruments and geomagnetic stations, 19.10-608
Magnetic charts in Antarctica and neighboring areas (*with* **Kobiashvili, Z.**), 19.6-538
See also **Frank, F. C.**, 19.7-584

Allee, Paul A.
Annual variation of Aitken nuclei concentration at Washington, D.C., 19.5-289
See also **Cobb, W. E.**, 19.5-376; **Morgan, G. M., Jr.**, 19.7-381

Allen, L. H., Jr.
Turbulence and wind speed spectra within a Japanese larch plantation, 19.3-227

Allen, Lee D.
Molybdenum deficiency of cauliflower influenced by soil moisture and fertilizer rate (*with* **Laughlin, W. M.**), 19.5-47

Allen, Louis, B., *see* **Kassner, J. L., Jr.**, 19.12-96

Aller, Lawrence H., *see* **Middlehurst, B. M.**, 19.8-25; **Ross, J.**, 19.8-631

Allied Research Associates, Inc., Concord, Mass.
Nimbus II high resolution infrared data World Montage Catalog, May 20 through Nov. 15, 1966, Orbits 63 to 2454, 19.1-85
Nimbus II medium resolution infrared pictorial data catalog, Vol. 2, June 22-July 28, 1966, Orbits 504 to 984, 19.2-88
See also **Merritt, E. S.**, 19.7-237; 19.12-85; **Rogers, C. W.**, 19.2-171

Allison, Lewis J.
Evaluation of sea surface temperature as measured by the Nimbus I high resolution infrared radiometer (*with* **Kennedy, J. S.**), 19.5-636

Allkofer, O. C.
Muon spectra and charge ratio at sea-level at a zenith angle of 45° (*with* **Andresen, R. D.**), 19.4-478

Allstrom, F. C., *see* **Sohlberg, R. G.**, 19.8-709

Allwood, Roger J.
Wind forces on non-circular chimneys, 19.12-288
See also **Johns, D. J.**, 19.12-292

Almazan, James A.
Cross-spectrum analysis technique for evaluating wind sensors, 19.12-76
See also **Eddy, A.**, 19.12-1

Al-Nedjim, Mohamed
Vodopotreblenie i parametri na napoitelnata norma na tsarevitsata pri klimatichnite usloviia na Sofiisko pole [Water consumption and parameters of the irrigation norms of maize under the climatic conditions of Sofia plain]., 19.1-50

Alpatova, R. L., *see* **Belov, P. N.**, 19.4-240

Al'perovich, L. S., *see* **Van'ian, L. L.**, 19.1-442

Al'pert, Ia. L.
VLF and ELF waves in the near-Earth plasma, 19.1-451

Alpert, Leo
Opportunities for research on tropical meteorological conditions afforded by the meteorological observation network in the Isthmus of Panama, 19.9-64

Althouse, Jack
Wave measuring instruments, 19.11-707

Altman, C.
Application of thin-film optics to very low frequency radio propagation in the ionosphere (*with* **Cory, H.**), 19.11-525

Al'tman, E. N.
Ob izmenchivosti urovnia i uklonakh vodnoi poverkhnosti v Kerchenskom prolive [Variability of level and slopes of the water surface in Kerch Strait], 19.2-540
Osobennosti gorizontal'noi turbulentnosti v melkovodnom prolive [Features of horizontal turbulence in a shallow strait] (*with* **Lagutin, B. L.** and **Tolmazin, D. M.**), 19.5-666

Altschuler, Martin D.
Concerning the origin of Evershed motion (*with* **Nakagawa, Y.** and **Lilliequist, C. G.**), 19.10-697

Al'tshuler, V. M.
Calculation of the actual tidal fluctuations in harmonic analysis [Transl. from Russ.], 19.12-746

Alvi, S. M. A.
Squalls over east Uttar Pradesh, 19.4-236

Alvinerie, J., *see* **Leveque, P.**, 19.10-428

Amaftiesei, R., *see* **Besleaga, N.**, 19.11-176

Amaro, Carlos Canon, *see* **Canon Amaro, Carlos**

Amat, G.
Lasers moleculaires, 19.9-31

Ambach, W.
Avalanche activity and free water content of snow at Obergurgi (1980 m a.s.l., spring 1962) (*with* **Howorka, F.**), 19.3-322
Formation of crevasses in relation to the measured distribution of strain-rates and stresses, 19.12-778

Ambe, Yoshinari
Regionalities of climatic variations of the world, 19.2-308
Secular variation of aridity in the world, 19.2-319

Ambrosetti, Flavio
Tensione del vapore a Sud delle Alpi, 19.6-360

Amelin, A. G.
Theory of fog condensation [Transl. from Russ.], 19.2-1

American Association for the Advancement of Science, *see* **Brady, N. C.**, 19.7-22; **Shaw, R. H.**, 19.7-23

American Institute of Aeronautics and Astronautics, *see* **Heller, G. B.**, 19.11-41

American Meteorological Society
Curricula in the atmospheric sciences, academic year 1967-1968: colleges and universities in the United States and Canada, 19.12-32
Project Stormfury 1967, 19.3-132

Statement on weather and climate modification, Oct. 27, 1967, 19.9-244
See also **Irrigation and Drainage Specialty Conference, Las Vegas, Nev., Nov. 1966,** 19.7-18
AMS. Study Group on Bioclimatology
Biometeorology today and tomorrow, 19.9-545
American Society for Oceanography
Hurricane Symposium, Houston, Texas, Oct. 10-11, 1966, 19.10-13
American Society of Civil Engineers. Irrigation and Drainage Div., *see* **Irrigation and Drainage Specialty Conference, Las Vegas, Nev., Nov. 1966,** 19.7-18
Amersdorffer, R.
Bemerkenswerte Radarechos vor Nordwestafrika [Unusual radar echoes for Northwest Africa] [Summarized by H. Walden], 19.7-110
Amineva, T. P.
Sravnenie srednikh kharakteristik chirokikh atmosfernykh livnei s iaderno-kaskadnymi lavinami, rasschitannymi dlia razlichnykh predpolozhenii o vzaimodeistvii nuklon-iadro [Comparison of the mean characteristics of extensive air showers with nuclear cascade avalanches, calculated under various assumptions concerning nucleon-nucleus interactions] (*with* **Dedenko, L. G.** and **Nikol'skii, S. I.**), 19.2-420
Amiran, David H. K.
Symposium on Coastal Deserts [and Changes in Occupance of Arid Areas, Peru, April 3-21, 1967], 19.9-543
Amirov, A. D.
O vliianii iskusstvennogo istochnika tepla na evoliutsiiu kuchevogo oblaka: chislennyi eksperiment [Influence of an artificial source of heat on cumulus evolution: numerical experiment] [and Eng. transl.], 19.12-344
Ammons, R. L.
Rocketborne dispersion system for support of weather modification techniques (*with* **Benjamin, R. B.**), 19.11-227
Amorocho, J.
Mathematical simulation of the snow melting processes (*with* **Espildora, B.**), 19.10-435
Amos, Anthony F., *see* **Jacobs, S. S.,** 19.8-707
Amundson, N. R., *see* **Valentas, K. J.,** 19.6-377
Amus'ia, A. Z.
Izmenchivost' podzemnogo stoka v reki Aziatskoi territorii SSSR [Variability of subsurface runoff into rivers of the Asiatic U.S.S.R.] (*with others*), 19.2-606
O podzemnom stoke v gornye reki Srednei Azii [Subsurface flow into mountain rivers of Central Asia] (*with* **Ratner, N. S.**), 19.4-751
Anand, C. M., *see* **Banerji, S.,** 19.7-841
Anan'ev, G. S.
Sledy deiatel'nosti selei v verkhov'iakh r. Kolymy [Traces of rock stream activity in the upper course of the Kolyma River], 19.8-781
Anan'eva, L. M., *see* **Rauner, Iu. L.,** 19.5-212; 19.12-220
Ananthakrishnan, R.
Some dynamical aspects of the zonal and meridional circulations over India and neighbourhood (*with other*), 19.3-170
Anastassiades, M.
Large-scale irregularities and horizontal gradient of the ionosphere from active satellites transmissions measurements (*with* **Matsoukas, D.**), 19.11-526
Radiometeorological study of the Chios-Lemnos line of sight radio link (*with* **Carapiperis, L.**), 19.2-60
Ancona, C.
Plasmoide artificiel par decharge de haute frequence focalisee en haute atmosphere, 19.12-464
Andersen, Neil R.
Depth recording of large-volume sampling of seawater (*with* **Morris, R. E.**), 19.7-731
Determination of barium and strontium in sea water (*with* **Hume, D. N.**), 19.6-660
Andersland, O. B., *see* **Dillon, H. B.,** 19.11-756
Anderson, Albert D.
New findings concerning the semi-annual effect in satellite orbital decay data, 19.6-132
Superadiabatic atmospheric layer on Venus, as inferred from the Venera-4 probe measurements, 19.9-682
Anderson, D. L., *see* **Phinney, R. A.,** 19.7-253
Anderson, D. V.
Recirculation of water in the Great Lakes, 19.7-783
Anderson, Duwayne M.
Ice nucleation and the substrate-ice interface, 19.4-320
See also **Day, P. R.,** 19.7-851; **Low, P. F.,** 19.4-772; 19.7-334; 19.10-799
Anderson, E. A.
Development and testing of snow pack energy balance equations, 19.7-431
Estimating incident terrestrial radiation under all atmospheric conditions (*with* **Baker, D. R.**), 19.3-203
Anderson, E. R.
Oceanometrics, 19.3-10
Anderson, Gerald F.
Transient flare-associated phenomena in the solar atmosphere, 19.11-678
Anderson, Hugh R.
[Discussion of] G. E. Shaw: Background cosmic count increase associated with thunderstorms (*with* **Few, A. A.**), 19.11-551
Radial gradient of cosmic radiation measured by Mariners 2 and 4, 19.8-551
See also **McCoy, J. E.,** 19.8-559; **Neher, H. V.,** 19.4-492
Anderson, Henry W.
Integrating snow zone management with basin management, 19.12-392
Anderson, Kinsey A.
Auroral zone microbursts, 19.2-392
Energetic electrons of terrestrial origin upstream in the solar wind, 19.7-621
Hydromagnetic disturbances of 3- to 15-minute period on the magnetopause and their relation to bow shock spikes (*with* **Binsack, J. H.** and **Fairfield, D. H.**), 19.7-611

- *See also* **Kahler, S. W.**, 19.4-532; **Parks, G. K.**, 19.5-434
- **Anderson, Margaret C.**
  - Role of heat transfer in the design and performance of solarimeters, 19.2-91
  - Some problems of simple characterization of the light climate in plant communities, 19.2-89
- **Anderson, Peter W.**
  - Water-quality characteristics of New Jersey streams (*with* **George, J. R.**), 19.6-761
- **Anderson, R. V.**
  - Measurement of worldwide diurnal atmospheric electricity variations, 19.5-375
- **Anderson, Rockne S.**, *see* **Latham, G. V.**, 19.2-172
- **Anderson, Roy**
  - Radiation research with Anders Angstroem at Newport (*with* **Drummond, A. J.**), 19.10-280
- **Anderson, S. R.**, *see* **Thomas, M. K.**, 19.11-47
- **Andreev, B. G.**
  - Zakonomernosti vertikal'nogo raspredeleniia mel'chaishikh chastits aerozolei v pogranichnom sloe atmosfery [Regularities of vertical distribution of very small aerosol particles in the atmospheric boundary layer] [and Eng. transl.], 19.2-134
- **Andreeva, L. A.**
  - Opredelenie skorosti i napravleniia vetra i koeffitsienta diffuzii po natrievym oblakam [Determination of the wind speed and direction and the diffusion coefficient from sodium clouds] (*with* **Poloskov, S. M.** and **Uvarov, D. B.**), 19.4-71
- **Andreeva, S. I.**
  - Amplitude-frequency and phase characteristics of very distant atmospherics (*with* **Evteeva, K. A.**) [Transl. from Russ.], 19.1-351
  - Amplitude-frequency spectra of near atmospherics (*with* **Evteeva, K. A.**) [Transl. from Russ.], 19.1-350
  - *See also* **Shvarts, Ia. M.**, 19.5-422
- **Andreianov, V. G.**
  - Some refinements and simplifications of the method of computing streamflow distribution during a calendar year in relation to construction design requirements [Transl. from Russ.], 19.2-610
- **Andresen, R. D.**, *see* **Allkofer, O. C.**, 19.4-478
- **Andrev, V.**, *see* **Kurchatova, G.**, 19.12-147
- **Andrew, B. H.**
  - Detection of radio emission from Scorpio X-1 (*with* **Purton, C. R.**), 19.11-622
- **Andrews, C. Frederick**, *see* **Conway, J. G.**, 19.2-512
- **Andrews, George F.**
  - Sferics-to-radar data converter, 19.7-159
  - *See also* **Hiser, H. W.**, 19.2-73
- **Andrews, James F.**
  - Circulation and weather of 1967, 19.9-152
  - Weather and circulation of Oct. 1967: continued cool east of the Rockies and warm in the Far West, 19.5-82
- **Andritoiu, N.**
  - Bilantul radiativ si nebulozitatea la Observatorul de Fizica Atmosferei [Radiation balance and cloud cover at the Atmospheric Physi Observatory], 19.8-316
  - Regimul radiativ al litoralului romane [Radiative pattern on Rumanian Riviera] (*wi* **Ciocoiu, I.**), 19.12-221
- **Anfilof'ev, B. A.**
  - O konstruktsii aerodinamicheskogo kanala dl gliatsiologicheskikh issledovanii [Constructic of a wind tunnel for glaciological research 19.12-768
- **Angell, J. K.**
  - Biennial variation in springtime temperature ar total ozone in extratropical latitudes (*wi* **Korshover, J.**), 19.3-146
  - [Comments on] M. W. Hodge: Large irreg larities of rawinsonde ascensional rates with 100 nautical miles and three hours of reporte clear air turbulence, 19.4-282
  - Helical circulations in the planetary boundar layer (*with* **Pack, D. H.**), 19.10-231
  - Lagrangian study of helical circulations in th planetary boundary layer (*with* **Pack, D. H.** ar **Dickson, C. R.**), 19.12-80
  - Tetroon flights over New York City (*wi others*), 19.10-117
  - *See also* **Hicks, J. J.**, 19.3-61
- **Anger, C. D.**
  - Review of rocket auroral measurement 19.2-393
- **Angerami, J. J.**, *see* **Smith, R. L.**, 19.3-373
- **Angus, D. E.**, *see* **Penman, H. L.**, 19.7-374
- **Anisimova, E. P.**, *see* **Pivovarov, A. A.**, 19.1-102
- **Aniskin, L. V.**
  - Nekotorye voprosy postroenii zapominaiushchego ustroistva dli avtomaticheskoi stantsii [Construction of memory device for automatic stations] (*wi* **Grushin, S. I.**), 19.8-139
- **Anis'kina, M. I.**
  - Metodika rascheta vertikal'nykh skorostei neadiabaticheskikh izmenenii temperatury verkhnei granitse prizemnogo sloia atmosfer [Method of calculating vertical velocities ar nonadiabatic temperature changes at the upp boundary of the atmospheric surface layer 19.3-247
- **Aniskina, N. A.**, *see* **Makarevich, T. N.**, 19.5-723
- **Annand, K. C.**
  - Radio emitting electrons in the galaxy and th solar modulation of cosmic rays (*with* **Danie R. R.** and **Stephens, S. A.**), 19.5-550
- **Annexstad, John O.**
  - Characteristics of Pg micropulsations at conjuga points (*with* **Wilson, C. R.**), 19.7-598
  - Kotzebue, Alaska-Macquarie Island conjuga point micropulsation experiment, 19.4-515
  - Pc 1 fine structure phase shift at high-latitu conjugate points (*with* **Wilson, C. R** 19.11-573
  - *See also* **Wilson, C. R.**, 19.3-486
- **Annuaire Hydrologique de Belgique, [Brussels 1960**, 19.8-93
- **Antarctic Bibliography, Vol. 2, 1966**, 19.5-37

Antarctic Journal of the United States, [Wash., D.C.]
Eltanin Cruise 30, 19.11-694
United States Antarctic Research Program, 1966-1967, 19.2-31
Anthes, Richard A.
Generation of available potential energy in Hurricane Hilda (1964) (*with* **Johnson, D. R.**), 19.9-331
Anthony, Marvin
Upper atmosphere winds from gun launched vertical probes, 19.10-387
Antisari, Ottavio Vittori, *see* **Vittori Antisari, Ottavio**
Antman, Herbert S.
State's role in oceanography, 19.9-719
Antonov, A., *see* **Iuskeselieva, L.,** 19.11-432
Antonov, V. S.
Izuchenie gidrologicheskogo rezhima ust'evykh uchastkov sibirskikh rek [Investigation of the hydrological regime of the estuarine areas of Siberian rivers], 19.12-800
Problem of the level of the Caspian Sea and runoff of the northern rivers [Transl. from Russ.], 19.11-710
Antonova, L. A.
O variatsiiakh sostava atmosfery v oblasti 200 km [Variations of the atmospheric composition in the region of 200 km] (*with others*) [and Eng. transl.], 19.5-165
Anzer, Ulrich
[Comments on] his: Stability of force-free magnetic fields with cylindrical symmetry in the context of solar flares, 19.12-648
Aoki, S.
Preface [to Report of the Hecateus Expedition-I in the Okhotsk Sea, 1966], 19.9-741
Aota, A.
Forecasting of surface wind speed at Sendai: introducing frictional factors into the forecasting (*with* **Mukade, T.**), 19.9-222
Aota, Masaaki, *see* **Tabata, T.,** 19.12-763
Aoyama, Iwao, *see* **Kato, Y.,** 19.4-427
Appa Rao, M. V. Krishna
Effects of the nature of matter traversed by cosmic rays on its composition and energy spectrum (*with* **Ramadurai, S.**), 19.4-479
Appleby, James F., *see* **Pries, T. H.,** 19.1-227
Appleman, Herbert S.
Air Weather Service weather-modification program, 19.11-211
Operational dissipation of supercooled fog: Project Cold Cowl 1967-1968, 19.11-221
Aragane, Kanezo, *see* **Hosoya, M.,** 19.12-402
Arai, Hideo, *see* **Shiotani, M.,** 19.12-390
Arai, Tetuo
On the accuracy of the air thermometry, Pt. 2, 19.2-95
On the time constant of thermometer, 19.7-143
Arakawa, Akio, *see* **Sadourny, R.,** 19.10-163
Arakawa, Hidetoshi
Strong gusts in the lowest 250-m layer over the city of Tokyo (*with* **Tsutsumi, K.**), 19.2-234
See also **Eifuku, Y.,** 19.2-245; **Nozumi, Y.,** 19.6-264
Aralov, D. P.
Rasprostranenie srednikh radiovoln v Antarktide [Propagation of medium radio waves in Antarctica] [and Eng. transl.], 19.2-335
Aratskaia, V. V.
Areas of North Pacific Ocean with uniform corrections for sound velocity [Transl. from Russ.], 19.2-546
Arbuzova, V. N.
Eksperimental'nye dannye o vliianii parametrov termouzla na pokazaniia termistora MMT-1 v svobodnoi atmosfere [Experimental data on the effect of parameters of the heat unit on readings of the MMT-1 thermistors in the free atmosphere] (*with* **Glagolev, Iu. A.**), 19.9-172
Arctic biology, 19.11-43
Ardouin, B., *see* **Lambert, G.,** 19.6-421
Arend, S.
Saturne n'est pas la seule planete a avoir un anneau–la Terre a aussi le sien [Saturn is not the only planet with a ring – the Earth also has one], 19.6-197
Argemi, Louis Henri
Terre Adelie, 1964: observations visuelles des aurores, Base Dumont D'Urville (*with* **Dousset, C.**), 19.12-514
Argence, Emile
Erforschung der Ionosphaere mit Radiowellen von Satelliten und Raketen, II [Ionospheric research with radio waves from satellites and rockets, Pt. 2 (*with* **Rawer, K.**), 19.11-527
Ariel', N. Z.
O raschete energeticheskikh spektrov po eksperimental'nym dannym [Computation of energy spectra from experimental data], 19.9-117
Ariga, Yoshio, *see* **Fukuo, Y.,** 19.3-221; 19.6-431
Aristov, I. F.
Nekotorye dannye o moroznom vyvetrivanii i solifliuktsii v nizkogornoi i srednegornoi zonakh khrebta Kirgizskii Ala-Tau [Data on frost weathering and solifluction in the zones of low and intermediate mountains in the Kirghiz Ala-Tau Range], 19.5-739
Aristov, N. A.
Dolgosrochnaia sinoptika za poslednee 50-letie [Long range synoptics for the past 50 years], 19.12-129
Arkhangel'skii, V. L.
Godovoi khod temperatury vozdukha nad Nizhnim Povolzh'em v period MGSS [Annual trend of air temperature over the lower Povolzh'e during IQSY], 19.3-213
Arkhipova, E. G.
Opyt rascheta temperatury vody v deiatel'nom sloe moria [Experimental computation of water temperature in the active sea layer] (*with* **Potaichuk, M. S.** and **Smirnova, R. V.**), 19.5-637
Arking, Albert
Earth albedo measurements, July 1963 to June 1964 (*with* **Levine, J. S.**), 19.5-219
Phase curve of Venus and the nature of its clouds (*with* **Potter, J.**), 19.10-681

Armendariz, Manuel
- Wind shear for small thickness layers (*with* **Rider, L. J.**) [Comments by G. H. R. Reisig], 19.2-246
- *See also* **Rider, L. J.,** 19.7-108

Armijo, Larry
- Theory for the determination of wind and precipitation velocities with Doppler radars, 19.4-76

Armitt, John
- Effect of surface roughness and free stream turbulence on the flow around a model cooling tower at critical Reynolds Numbers, 19.11-382
- Simulation of the atmospheric boundary layer in a wind tunnel (*with* **Counihan, J.**), 19.7-337

Armstrong, Baxter H.
- Analysis of the Curtis-Godson approximation and radiation transmission through inhomogeneous atmospheres, 19.7-308

Armstrong, Charles F.
- Moisture-balance profile on the Sierra Nevada (*with* **Stidd, C. K.**), 19.1-278

Armstrong, E. B.
- Variations in the width of the OI λ5577 line in the night airglow, 19.7-558

Armstrong, Graham M., *see* **Wexler, R.,** 19.5-78

Armstrong, Reed S.
- "Geronimo" cruises entire Gulf of Mexico in late winter (*with* **Grady, J. R.**), 19.11-693

Armstrong, T. P.
- Observations of protons in the magnetosphere and magnetotail with Explorer 33 (*with* **Krimigis, S. M.**), 19.4-527

Armstrong, Terence
- Illustrated glossary of snow and ice (*with* **Roberts, B.** and **Swithinbank, C.**), 19.2-47

Arnason, Geir Mundur
- Kinematics and dynamics of tropical precipitation (*with* **Newburg, E. A.**), 19.8-428
- Numerical experiment in dry and moist convection including the rain stage (*with* **Greenfield, R. S.** and **Newburg, E. A.**), 19.9-313
- Numerical simulation of a precipitating roll cloud (*with* **Greenfield, R. S.**), 19.9-497

Arnborg, Lennart
- Water discharge in the Colville River, 1962 (*with* **Walker, H. J.** and **Peippo, J.**), 19.7-804

Arnold, Charles P., Jr.
- Gradient flow: balanced or unbalanced? 19.3-243

Arnold, James R., *see* **Bhandari, N.,** 19.7-221; **Honda, M.,** 19.11-654

Arnold, Kurt
- Eine Zusatzbedingung bei der Bestimmung des Potentialfeldes der Erde aus Satellitenbeobachtungen [A supplementary condition for determining the Earth's potential gradient from satellite observations], 19.11-597

Arnoldy, R. L.
- Energetic solar flare X-rays observed by satellite and their correlation with solar radio and energetic particle emission (*with* **Kane, S. R.** and **Winckler, J. R.**), 19.7-564
- Study of energetic solar flare X-rays (*with* **Kane, S. R.** and **Winckler, J. R.**), 19.5-592

Arnould, Marcel
- Technetium dans les geantes rouges, III, possibilite de synthese du Tc^{97}, 19.12-659

Aronowitz, Leonard
- Contamination of lunar surface samples by the lunar module exhaust (*with others*), 19.10-674

Arons, A. B.
- On the abyssal circulation of the World Ocean, Pt. 3 (*with* **Stommel, H.**), 19.1-553

Aronson, J. R.
- Radiative thermal conductivity in planetary interiors (*with others*), 19.7-637

Aroshidze, G. M.
- Sviaz' S_q-variatsii i dreifa v ionosfere [Connection of S_q-variations with drift in the ionosphere] (*with others*) [and Eng. transl.], 19.1-363

Arpigny, Claude, *see* **Phillips, J. G.,** 19.1-477

Arsen'ev, V. S.
- Otnositel'naia prozrachnost' i tsvet vod Beringova moria [Relative transparency and color of the Bering Sea waters] (*with* **Voitov, V. I.**) [and Eng. transl.], 19.12-693
- Techeniia i vodnye massy Beringova moria [Currents and water masses of the Bering Sea], 19.11-21

Artem'ev, A. N.
- Radiation regime of the Schirmacher Oasis [Transl. from Russ.], 19.3-201

Artemkin, E. E.
- Nabliudeniia serebristykh oblakov v Riazani v 1961 g [and] . . . 1962 g [Observations of noctilucent clouds in Riazani in 1961 [and] . . . in 1962] (*with* **Kuryshev, V. I.**], 19.5-362

Artemov, A. V.
- Mnogoletnie naledi [Perennial naleds] (*with* **Safronov, D. S.**), 19.5-743

Arya, S. P. S.
- Hot-wire measurements of turbulence in a thermally stratified flow (*with* **Plate, E. J.**), 19.10-321
- Unsteady flow of ground water near a surface source, 19.3-706

As, J. A.
- Past, present and future changes in the Earth's magnetic field, 19.4-508

Asahi, M.
- Measurement of the lag coefficients of bimetallic thermographs (*with* **Akiyama, I.**), 19.7-144

Asahina, Eizo
- Observations of ice crystals formed in frozen larvae of European corn-borer by the use of freeze-sectioning (*with* **Tanno, K.**), 19.7-377

Asai, Tomio
- On the characteristics of cellular cumulus convection, 19.2-259
- *See also* **Kasahara, A.,** 19.3-177

Asakura, T., *see* **Wada, H.,** 19.12-203

Asaoka, Osamu
- On the circulation in the East China Sea and the Yellow Sea in winter (*with* **Moriyasu, S.**), 19.6-668

Aseev, A. A.
- Opyt rekonstruktsii drevnikh Evropeiskikh

lednikovykh shchitov [Reconstruction of ancient European glacial shields], 19.5-735
Ash, M. E.
  Case for the radar radius of Venus (*with others*), 19.10-682
Ashbel, Dov
  Climate of the Near East, Pt. 1, 19.9-530
  Frequencies of temperature thresholds (hours per month) and maximum minimum graphs, 19.7-321
Ashby, W. C., *see* **Moses, H.,** 19.7-365
Ashcroft, Gaylen L.
  Fugue expands: bioclimatology; a practical science (*with* **Richardson, E. A.** and **Cox, L. M.**), 19.11-506
  See also **Cox, L. M.,** 19.6-42; **Gifford, R. O.,** 19.7-403
Ashford, O. M.
  Meteorological Programme of the International Geophysical Year (*with* **Peeters, J.**), 19.5-16
Ashwell, Ian Y.
  Moisture loss under chinook conditions: a preliminary investigation (*with* **Marsh, J. S.**), 19.2-263
Ashworth, David G.
  Convection in planetary interiors, 19.8-656
  Convection in planetary mantles, 19.8-657
Asnani, G. C.
  Equatorial cell in the general circulation, 19.5-193
Aspliden, Carl, *see* **Garstang, M.,** 19.3-155
Assaf, Gad, *see* **Gat, J. R.,** 19.10-190
Asselin, J. M. R., *see* **Kruger, H. B.,** 19.11-178
Asselin, Richard
  Operational solution of the balance equation, 19.5-144
Asseng, E.
  Die Verbesserung der Luftdruckbestimmung bei Radiosondenmessungen durch Verwendung der Steiggeschwindigkeitscharakteristik der Ballone [Using ascent rate characteristics of ballons to improve atmospheric pressure determination by means of radiosonde measurements], 19.11-117
Asseo, E.
  Acceleration de particules chargees par un champ electromagnetique aleatoire (*with* **Berthomieu, G.**), 19.5-513
Assur, Andrew
  Flexural and other properties of sea ice sheets, 19.12-754
  See also **Weeks, W. F.,** 19.4-714
Astapenko, Pavel Dmitrievich
  Nekotorye voprosy biometeorologii [Some questions in biometeorology], 19.6-448
Astavin-Razumin, D. L.
  Metody opredeleniia zvezdnykh velichin meteorov [Methods of determining stellar magnitudes of meteors], 19.11-653
Astrakhantsev, V. I.
  Gidrologiia iuga Vostochnoi Sibiri [Hydrology of the southern part of Eastern Siberia] (*with others*), 19.6-707
Astronomicheskii Zhurnal, [Moscow]
  Sovetskaia astronomiia za 50 let [50 years of Soviet astronomy] [and Eng. transl.], 19.6-557
Astronomischer Jahresbericht [Astronomical Yearbook], Vol. 66, 1966, 19.11-49
Astrophysics and Space Science, Vol. 1, No. 1, 19.11-57
Atakanov, U. A.
  O mnogoletnemerzlykh go rnykh porodakh na Sary-Dzhazskikh syrtakh [Permafrost on Sary-Dzhaz high altitude watersheds], 19.5-237
Atanasiu, G.
  Valeurs normales des elements geomagnetiques en Transylvanie et au Banat pour l'epoque 1960, 0 (*with others*), 19.10-609
Athay, R. Grant
  Emission cores in H and K lines, Pt. 1 (*with* **Skumanich, A.**), 19.7-704
Atkins, E. W., *see* **Peck, R. C.,** 19.4-134
Atkins, J. T., *see* **Beasley, J. K.,** 19.4-385
Atkinson, B. W.
  Structure of the thunder atmosphere, south-east England 1951-60, 19.1-191
Atkinson, G.
  Approximate flow equation for geomagnetic flux tubes and its application to polar substorms, 19.3-488
  See also **Jacobs, J. A.,** 19.3-492
Atkinson, Larry P.
  Occurrence and distribution of methane in the marine environment (*with* **Richards, F. A.**), 19.6-664
Atkinson, W. R.
  Analytical approximation of numerically determined collison efficiencies of hydrometeors (*with* **Paluch, I.**), 19.8-446
  Epoch sensitivity of superheterodyne microwave receivers to electromagnetic pulses produced by electrical discharge between water drops (*with* **Abbott, C. E.**), 19.2-105
  See also **Sartor, J. D.,** 19.3-368
Atlas, David
  Balance level in convective storms [Comments by R. J. Donaldson, Jr. and R. Wexler], 19.5-199
  Bistatic microwave probing in a refractively perturbed clear atmosphere (*with others*), 19.7-249
  Multi-wavelength backscatter from the clear atmosphere (*with* **Hardy, H. R.** and **Glover, K. M.**), 19.6-230
  Radar analysis of the clear air atmosphere: angels (*with* **Hardy, K. R.**), 19.9-30
Atlas, Reynold A.
  Frequency for values of solar radiation transmission through the atmosphere, 19.10-295
Atmospheric Research Aircraft Instrumentation Workshop and Symposium, Oklahoma City, Nov. 1966
  Proceedings, 19.2-15
Atmospheric Research and Development Corp., Kansas City, Mo., *see* **Hanks, H. H., Jr.,** 19.4-150
Attard, Alfred E.
  Photoelectroplating light modulator (*with* **Brown, D. E.**), 19.8-154
Atudorei, Mircea, *see* **Botez, M. P.,** 19.9-384
Atwood, J. G.
  Applications of lasers in analogs of radio technology, 19.9-31

Au, David W. K., *see* **Charnell, R. L.**, 19.5-620
Aubry, M. P.
  Influence des gradients horizontaux de densite electronique sur la direction des normales d'ondes TBF dans l'ionosphere, 19.10-511
Auer, August H., Jr.
  Cumulus cloud design for continental airmass regimes, 19.5-294
  Estimates of air and moisture flux into hailstorms on the high plains, 19.7-437
  Plume tracking studies associated with orographic and convective situations (*with* **Veal, D. L.** and **Marwitz, J. D.**), 19.11-228
  See also **Marwitz, J. D.**, 19.9-466
Auer, S.
  Detection technique for micrometeoroids using impact ionization (*with* **Sitte, K.**), 19.10-690
Aufdermaur, Armin N.
  Wind tunnel investigation on the local heat transfer from a sphere, including the influence of turbulence and roughness (*with* **Joss, J.**), 19.8-452
Auger, Boyd
  Wind induced vibration in a space frame structure, 19.11-404
Augulis, R. P.
  Study of winds in the Lake Mead recreation area, 19.11-183
Auld, B., *see* **Nowroozi, A. A.**, 19.6-695
Aulitzky, Herbert
  Lage und Ausmass der "Warmen Hangzone" in einem Quertal der Innenalpen [Location and extent of a "thermal belt" in a cross valley in the Central Alps], 19.8-344
  Die Lufttemperaturverhaeltnisse einer zentralalpinen Hanglage [Atmospheric temperature conditions of a Central Alpine slope], 19.9-538
Aurejac, J. F.
  Etude de l'amplitude du champ radioelectrique d'un satellite a l'horizon de la station (*with* **Papet-Lepine, J.**) [and Eng. transl.], 19.8-617
Ausman, E. L.
  Distortion and disintegration of water drops in strong electric fields (*with* **Brook, M.**), 19.5-285
Austin, G. L.
  Nature of radio waves reflected from an undulating surface, 19.4-404
Austin, Pauline M.
  Frequency of occurrence of rain attenuation of 10 DB or greater at 10 GC, 19.7-111
Australia. Bureau of Meteorology
  Tropical cyclones in the Northern Australian regions for 1964-1965 season, 19.11-327
Australia. Commonwealth Scientific and Industrial Research Organization. Div. of Fisheries and Oceanography
  Oceanographic observations in the Indian Ocean in 1962 [by the] H.M.A.S. Diamantina Cruise DM 4/62; . . . in 1964 by Diamantina Cruise DM 2/64; . . . 1963 by Gascoyne Cruise G 2/63; . . . 1964, Gascoyne Cruise G 2/64; [and] . . . 1965, Gascoyne Cruise G 5/65, 19.9-736
  Oceanographical observations in the Pacific and Indian Oceans in 1962 [by the] H.M.A.S. Gascoyne Cruises G 2/62 and G 3/62 [and] Observations, 1964 by Gascoyne Cruise G 3/64, 19.9-737
  Oceanographical observation in the Pacific Ocean in 1961 [by the] H.M.A.S. Gascoyne Cruise G 3/61; . . . 1962 by Gascoyne Cruise G 1/62; . . . 1963 by Gascoyne Cruise G 4/63 [and] . . . 1963, Gascoyne Cruise G 5/63, 19.9-738
  Oceanographical observations in the Pacific Ocean in 1962: H.M.A.S. GASCOYNE, Cruise G 5/62, 19.2-519
Australia. CSIRO. Division of Meteorological Physics
  Annual Report 1965-66, 19.1-45; 1966-67, 19.4-599
Australia. Dept. of National Development
  Stream gauging information, Australia, June 1965, 19.3-2
Australia. Oceanographic Data Centre
  Bulletin, No. 5, Sept. 1, 1967, 19.9-727
Australia. Water Resources Council, *see* **Australia. Dept. of National Development**, 19.3-2
Australian National Antarctic Research Expeditions
  A.N.A.R.E. Data Reports, Ser. D, Vol. 17, Meteorology [of] Davis, Macquarie Island, Mawson and Wilkes, 1964, 19.1-28
Austria. Hydrographisches Zentralbuero
  Die Niederschlags-, Schneehoehen- und Lufttemperaturhaeufigkeiten in Oesterreich im Zeitraum, 1951-1960 [Precipitation, snow depth and air temperature frequency in Austria in 1951-1960], 19.10-459
Avaste, O. A.
  Pritok tepla solnechnoi radiatsii v atmosfere i potok summarnoi radiatsii na poverkhnosti moria [Solar radiation influx in the atmosphere and the flux of total radiation at the sea surface], 19.7-309
Avco Corp., Wilmington, Mass., Avco Space Systems Div., *see* **Bowman, G. G.**, 19.1-29
Avery, Don E.
  Integrating current meter, 19.12-680
Avery, Otis E.
  Shipboard magnetic survey of an area north of the Lesser Antilles (*with* **Carroll, J. C.** and **Bracey, D. R.**), 19.3-633
Avery, T. Eugene
  Magic aura of remote sensing, 19.10-58
Aviation Week and Space Technology, [New York]
  Soviets intensify near-Earth investigations, 19.6-66
Avramchuk, V. V.
  Polychromatic polarimetry of some lunar regions [Transl. from Russ.], 19.11-630
Avsiuk, G. A.
  Mountain glaciation in the U.S.S.R.: extension, classification and ice storage in glaciers (*with* **Kotliakov, V. M.**), 19.11-774
Avy, A. P.
  Comparaison des appareils et des methodes de prelevement des poussieres (*with* **Benarie, M.** and **Hartogensis, F.**), 19.12-143

xford, D. N.
On the accuracy of wind measurements using an inertial platform in an aircraft, and an example of a measurement of the vertical mesostructure of the atmosphere, 19.12-81

xford, W. I.
Interaction between the solar wind and the magnetosphere, 19.4-538; 19.7-622
Magnetic storm effects associated with the tail of the magnetosphere, 19.3-522
See also **Chimonas, G.,** 19.4-411; **Gleeson, L. J.,** 19.2-427

yers, John C.
Grand River and its plume in Lake Michigan (*with* **Rossmann, R.**), 19.12-794
[Supplement to] J. L. Ayers: Climatology of Lake Michigan (*with* **Strong, A. E.**), 19.12-785

yers, John L.
Climatology of Lake Michigan [Supplement by J. C. Ayers and A. E. Strong], 19.12-785

yers, Wendell G., *see* **Robertson, J. B.,** 19.9-694

zad, A. K.
Disintegration of pairs of drops raised to equal and opposite potentials (*with* **Latham, J.**), 19.2-331
Electrification associated with the evaporation of water and ionic solutions (*with* **Latham, J.**), 19.3-262

zarkovich, E. Sh.
O sootnoshenii mezhdu srochnymi i srednesutochnymi maksimal'nymi raskhodami vody dozhdevykh pavodkov v basseine Verkhnei Volgi [Correlation between yearly and mean diurnal maximum discharge of rain floods in the Upper Volga basin], 19.7-89

zernikova, O. A.
O sviazi izmenenii nekotorykh elementov rezhima na Belom i Barentsevom moriakh [Interrelation between changes of some elements of the regime of the White and Barents Seas] [and Eng. transl.], 19.2-221

zernikova, S. A.
Dolgosrochnyi prognoz zimnei temperatury vody v Barentsevom more [Long range forecasting of water temperature in winter in the Barents Sea], 19.6-174

zimov, S. A.
Azimutal'noe uglovoe raspredelenie livnevykh chastits i serykh sledov, obrazovannykh chastitsami kosmicheskogo izlucheniia v fotoemul'sii [Azimuthal ángular distribution of shower particles and gray tracks made by cosmic ray particles in photoemulsion] (*with* **Rasulkulov, M. S.** and **Chudakov, V. M.**), 19.3-420

B

abadzhanov, P. B.
O strukture meteora [The structure of meteors] (*with* **Kramer, E. N.**) [and Eng. transl.], 19.3-576
Orbits of bright photographic meteors (*with* **Kramer, E. N.**), 19.4-575

Babaev, A., *see* **Ovezgel'dyev, O.,** 19.7-526

Babanina, M. A., *see* **Mikhailov, Iu. D.,** 19.12-263

Babichenko, V. N.
O naibol'shikh sutochnykh kolichestvakh osadkov na Eksperimental'nom meteorologicheskom poligone [Greatest diurnal amounts of precipitation at the Experimental Meteorological Proving Ground], 19.4-345
O termicheskikh osobennostiakh territorii Ukrainskikh Karpat [Thermal characteristics of the Ukrainian Carpathians] (*with* **Loeva, I. D.**), 19.2-219
See also **Prikhot'ko, G. F.,** 19.5-12

Babington, S.
Flood forecasting in Yamuna (*with* **Das, K. G.** and **Chand, K.**), 19.8-788

Bachi, Roberto
Graphical rational patterns, 19.12-2

Bachmat, Y.
On the similitude of dispersion phenomena in homogeneous and isotropic porous mediums, 19.3-709

Bachurina, A. A.
Opyt sostavleniia operativnykh prognozov osadkov v teploe vremia goda s ispol'zovaniem elektronnoi vychislitel'noi mashiny [Experiment in the preparation of operative forecasts of precipitation during the warm time of year using an electronic computer] (*with* **Fadiushina, N. N.**), 19.5-147
Prognoz sutochnogo khoda temperatury vozdukha v teploe vremia goda v razlichnykh raionakh SSSR [Forecasting dirunal variation of air temperatures during the warm time of the year in various regions of the U.S.S.R] (*with others*), 19.2-110
Prognoz temperatury vozdukha v prizemnom sloe atmosfery s uchetom evoliutsii oblachnosti [Forecasting air temperature in the surface layer taking changes of cloudiness into account], 19.3-105

Bachynski, M. P.
Radio-wave propagation through re-entry plasma sheaths, 19.8-75

Bacon, J., *see* **Pfenninger, W.,** 19.10-338

Bacur, Ileana
Variation de l'inclinaison magnetique du XIV^{e} au XVIII^{e} siecle, etablie pour deux regions de la Roumanie, 19.10-614

Bada, Jeffrey L.
Ammonium ion concentration in the primitive ocean (*with* **Miller, S. L.**), 19.10-728

Bader, Henri
Arctic research (*with* **Van Steenburgh, W. E.** and **Tyree, D. M.**), 19.7-38

Badgett, H. H.
Radar wave height sensor, 19.9-754

Baetsle, L. H.
Fundamentals of the dispersion of radionuclides in sandy aquifers (*with* **Souffriau, J.** and **Belgonucleaire, S. A.**), 19.9-851

Baez, A. P.
Mexico como parte de la red internacional de observaciones de ozono, 19.8-90

Bagrov, A. N.
Chislennyi prognoz parametrov konvektsii [Numerical forecasting of the convection parameters], 19.6-164

Bagrova, G. M.
Radiatsionnyi rezhim pod pologom smeshannogo lesa [Radiation regime under mixed forest cover], 19.2-187

Bahama Islands. Meteorological Office
Report of the Meteorological Office for 1967, 19.10-31

Bahar, E.
Generalized WKB method with applications to problems of propagation in nonhomogeneous media, 19.6-86
Scattering of VLF radio waves in the curved Earth-ionosphere waveguide, 19.7-494

Baibulatov, R. B.
O narushenii printsipa vzaimnosti pri otrazhenii sverkhdlinnykh radiovoln ot ionosfery [Violation of the reciprocity principle in the reflection of ultralong radiowaves from the ionosphere] [and Eng. transl.], 19.5-394
Vliianie zemnogo magnitnogo polia na rasprostranenie sverkhdlinnykh radiovoln vokrug Zemli [Influence of the Earth's magnetic field of VLF propagation around the Earth] (*with* **Krasnushkin, P. E.**) [and Eng. transl.], 19.1-427

Baidal, M. Kh.
Osnovnye itogi deiatel'nosti Kazakhskogo nauchnoissledovatel'skogo gidrometeorologicheskogo instituta za 1951-1966 gg [Principal results of the work of the Kazakh Hydrometeorological Research Institute 1951-1966] (*with* **Lavrent'ev, P. F.** and **Shimkevich, G. L.**), 19.10-454
Sovremennoe sostoianie i perspektivy razvitiia kompleksnogo makrotsirkuliatsionnogo metoda dolgosrochnykh prognozov pogody [Present status and perspectives of develoment of the complex macrocirculation method of long range weather forecasts], 19.11-195

Baidin S. S.
O zalivaemosti del'ty Volgi v usloviiakh zaregulirovannogo stoka [Flooding of the Volga Delta under conditions of controlled runoff], 19.9-837

Baier, W.
Estimating supplemental irrigation water requirements for climatological data (*with* **Robertson, G. W.**), 19.3-354
Estimating yield components of wheat from calculated soil moisture (*with* **Robertson, G. W.**), 19.10-54

Bailey, I. H.
Effect of impurities on the mechanical strength of accreted ice (*with* **Macklin, W. C.**), 19.1-578

Bailey, J. F.
Definition of stage-discharge relation in natural channels by step-backwater analysis (*with* **Ray, H. A.**), 19.4-767

Bain, W. C.
D-region electron density distribution from propagation data (*with* **May, B. R.**), 19.10-512

Bainbridge, A. E.
[Comments on] E. Eriksson: Account of th major pulses of tritium and their effects in th atmosphere, 19.9-255

Bairachenko, I. V.
Some results of meteor observations at tw wave-lengths (*with* **Mel'nik, V. I.** and **Moisia, I. I.**) [Transl. from Russ.], 19.2-487

Baird, G. A.
Neutron monitor observations of high-energ solar particles during the new cycle (*wit others*), 19.9-702
Occurrence of sporadic E in the polar ca 19.10-513
On the production of sporadic E near the ge magnetic pole, 19.9-572

Baird, Ralph W., *see* **Blank, H. R.**, 19.6-803

Baiusheva, M. I.
O regulirovanii gornogo stoka obskogo basseina ego vliianii na urovennyi rezhim Srednei O [Regulation of mountain runoff in the O River basin and its effect on the water lev regime of the Middle Ob River], 19.11-803

Baker, D. C., *see* **Hale, L. C.**, 19.8-161

Baker, D. R., *see* **Anderson, E. A.**, 19.3-203

Baker, Donald G., *see* **Haines, D. A.**, 19.6-398

Baker, Donald M.
Comparison of sudden ionospheric frequen deviations with solar X-ray and centimeter-wa emission during Oct. 1963, 19.6-475
Waves in the ionosphere produced by nucle explosions (*with* **Davies, K.**), 19.5-395

Baker, Doran J.
Rocket measurement of midlatitude night a glow emissions (*with* **Waddoups, R. O.** 19.1-406; [Comment by authors], 19.9-619

Baker, Harold L.
Balloon stress-band analysis, 19.5-91

Baker, K. D.
Coordinated rocket measurements of auror parameters, 19.10-565

Baker, P. S.
Basic principles and application techniques isotope tracers, 19.12-42

Bakhtiiarov, V. G.
Issledovanie metoda prozrachnosti na modelia [Investigation of a transparency method models], 19.12-323

Bakhtin, M. G.
Otsenka informativnosti nefanalizov, vypolne nykh po dannym televizionnoi s"emki sputnikov "Tairos" [Estimation of the inform tion capability of nephanalyses based on da from television photographs from the "Tiro satellites] (*with* **Sonechkin, D. M.**), 19.5-106

Baksi, A. K.
Age of the Steens Mountain geomagnetic polari transition (*with* **York, D.** and **Watkins, N. D.** 19.5-477

Bakulin, V. N., *see* **Malakhov, S. G.**, 19.1-164

Balabuev, A. G.
Uproshchennyi sposob obrabot stereofotograficheskikh izobrazhenii oblak [Simple method for interpreting stereophot graphic images of clouds], 19.6-381

lachandran, N. K.
  coustic-gravity wave propagation in a temperature- and wind-stratified atmosphere, 19.12-183
lakrishna, S.
  I2 and S2 tidal components at Hyderabad (*with* **Raghavan, S. R.**), 19.5-699
lakrishnan, T. K., *see* **Bhattacharyya, J. C.,** 9.4-406
larama Rao, P.
  lectron concentrations and electron and ion temperatures in the F region for magnetically quiet and disturbed conditions, 19.9-573
  ee also **Mahajan, K. K.,** 19.7-522
lcerzak, M. J.
  etonable gas explosion: a unique application, 19.8-494
ldwin, D. E.
  ave propagation in non-uniform plasma near the second electron cyclotron harmonic, 19.5-514
ldwin, Myron B.
  alifornia tornado: Madera, April 21, 1967, 19.6-274
liles, Maurice, *see* **U.S. National Environmental atellite Center,** 19.1-23
ll, James W., *see* **Russell, S. O.,** 19.12-806
ll, John T.
  nalysis of upper-level humidity (*with* **Veigas, K. W.**), 19.12-316
ll, Warren F.
  itt Peak's new photoelectric guider (*with* **Hoag, A. A.**), 19.8-624
llantyne, A. M., *see* **Symposium on Wind Effects n Buildings and Structures, 3rd, Loughborough, ng., April 1968,** 19.11-36
llard, Harold N.
  eview of seven papers concerning the measurement of temperature in the stratosphere and mesosphere, 19.4-69
llario, M. C.
  uiet Sun Year 1964 relationship between the CMPs of solar recurrent plages and terrestrial phenomena, 19.12-636
llas, Donald J.
  ntroduction to the historical geography of Han China, 19.12-366
llentine, Wilbur A.
  OD/NASA Gemini Experiments summary, 19.6-62
llif, J. R.
  agnetic morphology of solar streams and its relation to geomagnetic storms (*with* **Jones, D. E.**), 19.5-500
  ransverse fluctuations in the interplanetary magnetic field (*with others*), 19.1-424
lsley, Ben B.
  vidence for plasma turbulence in the equatorial electrojet, 19.7-351
  ee also **Flock, W. L.,** 19.5-403
ltz, Elmer H.
  round-water resources of the southern part of Jicarilla Apache Indian Reservation and adjacent areas, New Mexico (*with* **West, S. W.**), 19.4-757
Baluta, Dumitru
  Caracteristicile aluviunilor si activitatea morfogenetica a riului Arges in zona de cimpie [The characteristics of alluvial deposits and the morphogenetic activity of the Arges River in the plain zone], 19.8-775
Balzer, Konrad
  Troposphaerische Windparameter und Niederschlag [Tropospheric wind parameters and precipitation], 19.5-263
Bame, S. J., *see* **Hundhausen, A. J.,** 19.2-464; 19.11-590
Banchero, Louis A.
  Deep ocean mooring of temperature and current measuring systems, 19.1-513
Banerjee, A. K.
  Study of the seasonal oscillations in the upper air temperatures over India (*with* **Sharma, K. K.**), 19.4-269
Banerjee, K. C.
  Method used in D.V.C. to forecast flood into the reservoirs, 19.8-789
Banerji, Partha
  Record of an abnormal rainfall over Calcutta on Oct. 10, 1965 (*with others*), 19.6-403
Banerji, S.
  Estimating peak discharges corresponding to heaviest recorded storm in a catchment (*with* **Mantan, D. C.**), 19.7-840
  Flood producing storms in Lower Bihar with particular reference to the storm of Oct. 1961 (*with* **Gupta, D. K.**), 19.6-258
  Flood producing storms in River Gomti and their meteorological and climatological aspects (*with* **Anand, C. M.**), 19.7-841
  Importance of Cauvery watershed in causing floods in the Madras plains (*with* **Narayanan, J.**), 19.6-768
  Rational attempt at quantitative precipitation forecasting (*with* **Rao, D. V. L. N.**), 19.8-173
Banin, V. G.
  Notes on the metallic line emission in solar flares (*with* **Kopecky, M.** and **Rybina, A. A.**), 19.5-605
  O stroenii sil'nykh khromosfernykh vspyshek po vysote [The structure of strong chromospheric flares with height], 19.9-706
Bannister, Peter R.
  Electromagnetic fields within a stratified Earth produced by long horizontal line sources, 19.8-579
  Subsurface to air and air to subsurface propagation with dipole antennas, 19.8-74; ... — quasi-near and near field ranges, 19.12-48
Bannister, Tommy C., *see* **Schafer, C. F.,** 19.11-603
Barad, Morton L.
  Meteorological education and research in West Germany: some first impressions, 19.9-69
Baralt, Gisela, *see* **Fujita, T.,** 19.10-311
Baranov, G. I.
  O primenenii konechnykh integral'nykh preobrazovanii tipa Fur'e k resheniiu nekotorykh okeanologicheskikh zadach [Using finite integral Fourier-type transformations

  when working out some oceanological problems], 19.9-720
  Physico-mechanical properties of Antarctic sea ice [Transl. from Russ.], 19.2-576
Baranov, V. A.
  Karty minimal'nogo stoka rek Aziatskoi territorii SSSR [Maps of minimum runoff to rivers of the Asiatic U.S.S.R.] (*with* **Petersen, Z. I.** and **Popov, L. N.**), 19.2-603
Baranskii, L. N.
  O skorosti rasprostraneniia korotkoperiodnykh kolebanii elektromagnitnogo polia Zemli tipa Pc-1 (zhemchuzhiny) [Propagation speed of the short-period oscillations of the Pc-1 type (pearls) oscillations of the Earth's electric magnetic field] (*with* **Geller, L. A.** and **Kazak, B. N.**) [and Eng. transl.], 19.11-574
Barany, Ilona
  Der Einfluss des Niveauunterschiedes und der Exposition auf die Lufttemperatur in einer Doline im Buekk-Gebirge [The influence of the difference of levels and aspect on air temperature at a dolina in the Buekk mountains], 19.9-539
Barashkova, E. P.
  Opyt ispol'zovaniia radiometrov s fil'trom KRS-5 dlia izmereniia dlinnovolnovogo izlucheniia [Use of radiometers with KRS-5 filters to measure long-wave radiation] (*with* **Vasishcheva, M. A.** and **Koblova, Z. P.**), 19.1-100
Barat, J., *see* **Blamont, J. E.**, 19.2-341; 19.10-356
Barat, Jozsef
  Legnyomasmezo szerkezeti es autokorrelacios fuggvenye [Structural and auto-correlation functions of the pressure field] (*with* **Simon, J.**), 19.1-239
Barbarossa, Nicholas L., *see* **McCarthy, G. T.**, 19.8-784
Barbe, G. D.
  Rechauffements stratospheriques precoces observes aux iles Kerguelen et leurs relations avec le rechauffement de printemps de la stratosphere antarctique (*with* **Reininger, E.** and **Dumas, P.**), 19.9-271
  Resultats de quatre annees de mesures de vent au dessus des Iles Kerguelen jusqu'a 25/35 Km (*with* **Dumas, P.** and **Reininger, E.**), 19.8-389
Barbelon, J., *see* **Vadot, L.**, 19.6-219
Barber, D.
  Synchrotron radiation from Jupiter at 610 Mc/s, 19.3-544
Barber, F. G.
  On the water of Tuktoyaktuk Harbour, 19.9-800
Barborik, Jiri, *see* **Hladny, J.**, 19.12-135
Barcilon, Albert I.
  Phase space solution of buoyant jets, 19.12-184
Bardin, V. I.
  Basic morphometric characteristics for Antarctica and budget of the Antarctic ice cover (*with* **Suyetova, I. A.**), 19.6-722
Barger, Gerald L.
  Economic import of drought on water supply systems in the Passaic River Basin, New Jersey (a summary of progress to date), 19.11-455
Barham, E. G.
  Marine biology, 19.3-10
Bark, L. Dean, *see* **Carpenter, W. J.**, 19.2-
Feyerherm, A. M., 19.2-290
Barkov, N. I.
  Kharakternye osobennosti snezhno-firn
  tolshchi ostrova Pobeda (do glubiny 10
  [Characteristics of the snow-firn layer
  Pobeda Island (to 10 m depth)] (*with* **Iva**
  V. B.), 19.3-302
  Stroenie snezhno-firnovoi tolshchi v rai
  stantsii Lazarev [Structure of the snow-
  layer in the Lazarev Station area], 19.3-303
  See also **Ivanov, V. B.**, 19.3-309; **Petrov, V.**
  19.2-297
Barksdale, Henry C.
  Effects of the drought on water resources:
  face and subsurface hydrology, 19.12-370
Barnes, Aaron
  Stochastic electron heating and hydromagn
  wave damping, 19.6-547
Barnes, Arnold A., Jr.
  Winds and densities from radar meteor
  returns, 19.4-65
Barnes, F. A.
  Depth and persistence of subsurface freezin
  Britain, 19.9-410
Barnes, James C.
  Snow cover distribution as mapped from satell
  photography (*with* **Bowley, C. J.**), 19.7-432
  See also **Widger, W. K., Jr.**, 19.4-332
Barnes, Stanley L.
  Effects of large-scale subsidence on cellular
  vection the atmosphere: a numerical exp
  ment, 19.6-11
  Empirical shortcut to the calculation of temp
  ture and pressure at the lifted condensa
  level, 19.11-116
  On the source of thunderstorm rotat
  19.12-215
Barnett, T. P.
  On the generation, dissipation, and predictio
  ocean wind waves, 19.6-339
Barney, William M., *see* **Hagen, J. P.**, 19.12-569
Barnum, Dale C.
  Forecasting surface wind gusts associated
  thunderstorms in Southeast Asia, 19.9-223
Baron, M.
  Incoherent scattering at perpendicular inter
  tion with the Earth's magnetic field (
  Petriceks, J.), 19.1-61
Baroni, Andrea, *see* **Montalto, M.**, 19.10-249
Barr, David I. H.
  [Discussion of] R. A. Grace and P. S. Eagle
  Scale model of urban runoff from storm
  fall, 19.10-790
Barrada, Y., *see* **Fried, M.**, 19.9-814
Barrett, E. C.
  Notes on the evolution and interpretation
  satellite global-scale mosaics, 19.10-122
  Satellite meteorology, 19.7-134
  Viewing weather from space, 19.6-7
Barrett, Earl W.
  Bright new light in the sky: the prospect of l
  in meteorology, 19.2-70

- **ringer, A. R.,** *see* **Holdsworth, D. W.,** 19.11-628
- **rington, R. E.**
  - tellite ionosonde records: resonances below the cyclotron frequency (*with* **Hartz, T. R.**), 19.9-574
- **ry, J. Dale**
  - aboratory ball lightning, 19.7-486
- **ry, P. J.**
  - xchange rates of radioactive tracers between the atmosphere and snow, 19.6-327
  - icrometeorological research at the Chalk River Nuclear Laboratories, 19.2-312
  - se of radioactive tracers in studying mass transfer in the atmospheric boundary layer (*with* **Munn, R. E.**), 19.10-353
- **ry, R. G.**
  - ariations in the content and flux of water-vapor over north-eastern North America during two winter seasons, 19.4-311
- **teneva, O. D.**
  - ksperimental'nye issledovaniia opticheskikh svoistv prizemnogo sloia atmosfery [Experimental studies of optical properties of the surface layer of the atmosphere] (*with* **Dovgiallo, E. N.** and **Poliakova, E. A.**), 19.1-8
- **th, Charles A.**
  - terpretation of the Mariner 5 Lyman alpha measurements, 19.12-222
  - ariner 5 measurement of Lyman-alpha radiation near Venus (*with* **Wallace, L.** and **Pearce, J. B.**), 19.9-683
  - pectrum of the ultraviolet aurora, 19.10-571
  - ltraviolet emissions observed near Venus from Mariner V (*with others*), 19.5-563
- **ther, A. J.**
  - ceanography and the mariner, 19.2-40
- **tko, F.**
  - on-gray equilibrium temperature distributions above the clouds of Venus (*with* **Hanel, R. A.**), 19.6-601
- **tky, Charlotte,** *see* **Reisman, E.,** 19.5-361
- **ton, J. C.**
  - vestigation of cosmic rays underground using a scintillator stock, Pt. 5, 19.11-552
- **wick, A. J.**
  - ccuracy in computer evaluation of moist air properties (*with* **Jordan, K. A.** and **Longhouse, A. D.**), 19.7-264
- **wick, Atwood S.**
  - roject FLOOD: report on data collected by Mine Division 43, Central Mediterranean Sea, May 1965, 19.12-666
- **yshevskaia, G. I.**
  - ertikal'nye peremeshcheniia vodnykh mass v Chernom more [Vertical displacement of water masses in the Black Sea], 19.11-726
- **chek, Bodo**
  - I- und CH-Linien im Sonnenspektrum [CI and CH lines in the solar spectrum] (*with* **Holweger, H.**), 19.1-504
  - *ee also* **Mueller, E. A.,** 19.7-702
- **sov, N. G.**
  - azery v fizicheskikh issledovaniiakh [Lasers in physical investigations], 19.8-71
- **Bass, S. V.**
  - Vliianie khoziaistvennoi deiatel'nosti na vesennii stok rek Severnogo Kazakhstana [Effect of agricultural activity on spring streamflow in Northern Kazakhstan] (*with* **Zhukova, N. V.**), 19.6-797
- **Bassinger, B. G.**
  - Marine magnetic study in the northeast Chukchi Sea, 19.7-582
- **Bastin, J. A.**
  - Small scale lunar roughness, 19.11-636
- **Basu, Sunanda**
  - Effect of refraction correction on the latitude variation of total electron content, 19.2-336
  - Latitude variation of total electron content in the equatorial region (*with* **Das Gupta, A.**), 19.4-405
- **Batchelor, G. K.**
  - Introduction to fluid dynamics, 19.1-1
- **Bates, Ferdinand C.**
  - General theory of thunderstorms, 19.10-268
  - Subsolar-meridian mean-annula distributions for Martian troposphere below 50 kilometers, 19.9-685
  - *See also* **Swanson, A. E.,** 19.10-265
- **Bates, Jerry C.**
  - Spectral analysis of the spatial distribution of the Earth's 15μ carbon dioxide horizon profile, 19.6-302
- **Battalov, Faiz Zamilovich**
  - Mnogoletnie kolebaniia atmosfernykh osadkov i vychislenie norm osadkov [Long term fluctuation of atmospheric precipitation and calculation of precipitation normals], 19.11-12
- **Battan, Louis J.**
  - Atmospheric sciences in 1967, 19.9-55
  - Measurement of draft speeds in convective clouds by means of pulsed-Doppler radar (*with* **Theiss, J. B.**), 19.5-270
  - Research in tropical meteorology, 19.9-65
  - Silver iodide seeding and radar echoes from convective clouds, 19.8-202
  - Summary of results of a randomized cloud seeding project in Arizona (*with* **Kassander, A. R., Jr.**), 19.7-201
- **Batten, E. S.,** *see* **Lindzen, R. S.,** 19.8-371
- **Bauer, A.**
  - Application of optical filtering in coherent light to the study of aerial photographs of Greenland glaciers (*with* **Fontanel, A.** and **Grau, G.**), 19.5-721
- **Bauer, Adolf Friedrich**
  - Ergebnisse 12 jaehriger meteorologischer Messungen an der Universitaet Rostock (1953-1965) [Results of 12 years of meteorological measurements at Rostock University (1953-1965)], 19.2-77
  - Ueber die Eindringtiefe des Frostes in den Erdboden (am Beispiel Rostocker Messergebnisse) [Depth of frost penetration into the ground (exemplified by Rostock data)], 19.2-229
- **Bauer, S. J.**
  - Behavior of the topside ionosphere during a great

magnetic storm (*with* **Krishnamurthy, B. V.**), 19.10-514
Possible relationship between the storm-time whistler cutoff and the magnetospheric ring current (*with* **Krishnamurthy, B. V.**), 19.8-490
Satellite observations of radio noise in the magnetosphere (*with* **Stone, R. G.**), 19.12-543
Baughman, R. G., *see* **MacCready, P. B., Jr.,** 19.5-161
Baum, Werner A.
Congressional action on weather modification, 19.9-245
Philosophy and practice of meteorological education in the United States, 19.4-18
Bauman, I. A.
Raspredelenie anomalii srednikh mesiachnykh summ osadkov v sviazi s osobennostiami osnovnykh form atmosfernoi tsirkuliatsii i ikh mnogoletnimi preobrazovaniiami [Distribution of anomalies of mean monthly sums of precipitation in relation to the characteristics of the principal forms of atmospheric circulation and their long-period transformations] (*with* **Kanaeva, A. D.**), 19.2-162
Baumbach, S.
Analogue-to-digital converters for automatic weather stations, 19.4-114
Baumgart, H.
Weiterentwicklung einer automatischen Messwerterfassungs- und uebertragungsanlage fuer meteorogische Zwecke [Further development of an automatic data acquisition and remote transmitting system for meteorological purposes] (*with* **Hoehne, W.**), 19.6-155
Baumgartner, Albert
Ermittlung der tatsaechlichen Verdunstung aus Messungen des vertikalen Wasserdampfaustausches und der Energiebilanz [Determination of actual evaporation from measurements of vertical water vapor exchange and energy balance], 19.3-263
Baumhefner, David P.
Application of a diagnostic numerical model to the tropical atmosphere, 19.9-302
Baunack, Fritz
Drying of useful dusts, 19.7-78
Baur, Franz
Bericht ueber die 5. Meteorologische Fortbildungstagung fuer Grosswetterkunde und langfristige Witterungsvorhersage [Report on the 5th Meteorological Tutorial Seminar for Large-Scale Meteorology and Long Range Weather Forecasting], 19.5-153
Bavina, L. G.
Utochnenie raschetnykh parametrov ispareniia s bolot po materialam nabliudenii bolotnykh stantsii [Revision of the mathematical parameters of evaporation from swamps using observational data from swamp station], 19.3-264
Baxter, R. G.
Theoretical technique for evaluating the time-dependent effects of general electrodynamic drifts in the F2 layer of the ionosphere (*with* **Kendall, P. C.**), 19.12-465
Bayens, C. A.
Effect of mass transfer on drop formation (*with* **Laurence, R. L.**), 19.12-324
Bayer, Karel
Klimatologicky vyznam interdiurni promenlivosti tlaku vzduchu [Climatological significance of interdiurnal change of air pressure], 19.12-265
Klimatologische Zusammenhaenge zwischen dem Druck- und Temperaturfeld der Atmosphaere und den Temperaturverhaeltnissen der Erdoberflaeche [Climatological relationships between the atmospheric pressure and temperature fields and the temperature conditions at the Earth's surface], (*with* **Bayerova, V.**), 19.8-463
Bayerova, Vera, *see* **Bayer, K.,** 19.8-463
Bayley, M. J.
Partial failure of large span glasshouses, 19.11-405
Bayly, Donald C.
U.S. Naval Academy oceanography curriculum and some preliminary scientific/technical results, 19.5-614
Baynton, Harold W.
Project Clambake: surface wind analysis at Palestine, Texas, 19.5-148
Stability inferences from precision rawins, 19.4-72
Bazarzhapov, A. D.
Sposob analiticheskogo predstavleniia "mgnovennykh" polei magnitnykh variatsii [Method of analytical representation of "instantaneous" fields of magnetic variations] (*with others*), 19.2-443
Sutochnyi khod magnitnoi aktivnosti v period MGG (vozmushchennye dni) [Diurnal variation of magnetic activity during the IGY period (disturbed days)] (*with others*), 19.3-471
Uluchshenie analiticheskogo predstavleniia vekovoi variatsii [An improvement of an analytical presentation of a secular variation] (*with* **Kolomiitseva, G. I.**) [and Eng. transl.], 19.5-476
See also **Mishin, V. M.,** 19.3-448; **Orlov, V. P.,** 19.8-580
Bazin, Maurice, *see* **Walbaum, M.,** 19.3-570
Bazlova, T. I.
O pogloshchenii radiatsii molekuliarnym kislorodom v mikrovolnovoi oblasti spektra [Radiation absorption by molecular oxygen in the microwave spectral region], 19.10-189
Beal, M. A.
Arctic sciences, 19.3-10
Bean, Bradford R.
Field study of the effectiveness of fatty alcohol mixtures as evaporation reducing monomolecular films (*with* **Florey, Q. L.**), 19.7-367
Our battle for water, 19.3-265
Review of refraction effects on the apparent angle of arrival of radio signals (*with* **McGavin, R. E.**), 19.8-271; 19.11-281
Some radio-physical considerations in studies of the fine scale structure of the atmosphere (*with* **Warner, B. D.**), 19.9-137

Beard, David B.
Initial interaction between the solar wind and any large obstacle, 19.7-623
Solar wind, 19.12-552
Bearman, P. W.
[Comment on] D. J. Gunn and A. A. Malik: Wind forces and the proximity of cooling towers to each other, 19.5-255
Some effects of turbulence on the flow around bluff bodies, 19.11-381
Beasley, J. K.
Scattering and absorption of light in turbid media (*with* **Atkins, J. T.** and **Billmeyer, F. W., Jr.**), 19.4-385
Beatley, Janice C.
Survival of winter annuals in the Northern Mojave Desert, 19.6-429
Beaty, Chester B.
Sequential study of desert flooding in the White Mountains of California and Nevada, 19.10-794
Beauchesne, Pierre
Etude du mouvement des galets le long de la cote des Bas-Champs de la Somme: utilisation de traceurs radioactifs (*with* **Courtois, G.**), 19.4-684
Beaudoin, P. E.
Observation of mesosphere winds and turbulence with smoke trails (*with others*), 19.3-53
Beaumont, Robert T.
Evaluation of the Mt. Hood pressure pillow snow gage and application to forecasting avalanche hazard, 19.5-133
Field accuracy of columetric snow samplers at Mt. Hood, Oregon, 19.12-393
Beavers, W. I., *see* **Leacock, R. A.**, 19.8-343
Beck, J. N.
Radiostrontium fallout from the nuclear explosion of Oct. 16, 1964 (*with* **Kuroda, P. K.**) [Discussion by H. W. Feely], 19.1-168
Becker, W.
On the manual and digital computer methods used at Lindau for the conversion of multifrequency ionograms to electron density-height profiles, 19.2-337
Beckers, J. M., *see* **Noyes, R. W.**, 19.7-684
Beckinsale, Robert P.
Climatic change: a critique of modern theories, 19.9-534
Beckman, J. E.
Pressure at the cloud top and the abundance of hydrogen in the atmosphere of Jupiter, 19.1-490
Beckman, John C.
On the need for standardization of instruments calibration and related terminology, 19.3-84
Beckmann, Petr
Depolarization of electromagnetic waves backscattered from the lunar surface, 19.7-653
Beckner, Clinton F., Jr.
Infrared detecting set, 19.9-168
Beckwith, W. Boynton
Analysis of airport fog dispersal operations, 19.11-222
Bedi, H. S.
Cold waves over northwest India and neighbourhood (*with* **Parthasarathy, B.**), 19.6-282
Bedient, Harold A.
Operational tropical analysis system (*with* **Collins, W. G.** and **Dent, G.**), 19.5-143
Bedinger, J. F.
Observations of upper atmospheric winds, electron density, electron temperature, and neutral temperature in the auroral region (*with* **Best, G. T.** and **Smith, L. G.**), 19.10-515
Upper-atmosphere winds and their interpretation, Pt. 1 (*with others*), 19.7-352
Bednarek, Antoni
O wplywie temperatury powietrza na ksztaltowanie temperatury gleby w warunkach ograniczonego doplywu energii promieniowania Slonca [Atmospheric temperature effects on the formation of soil temperature under conditions of restricted inflow of solar radiation energy], 19.9-408
Bednarova-Novakova, Bohumila
Solar indicators of the origin of geomagnetic storms, 19.9-632
Beeton, Alfred M.
Indices of Great Lakes eutrophication, 19.8-759
Befani, A. N.
Eksperimental'nye issledovaniia dozhdevogo stoka v Primor'e, 1963 g [Experimental study of rain runoff in Primor'ye, 1963] (*with others*), 19.11-799
Befani, N. F.
O raschete osnovnykh kharakteristik dozhdevogo stoka i poter' na gornykh sklonakh [Computation of the basic charactistics of rain runoff and loss on mountain slopes], 19.11-800
Behannon, Kenneth W.
Mapping of the Earth's bow shock and magnetic tail by Explorer 33, 19.8-566
Behnke, Jerold J., *see* **Dyer, K. L.**, 19.7-751
Behrendt, J. C.
Magnetic and gravity maps of the Antarctic (*with* **Bentley, C. R.**), 19.9-36
Beilinson, M. M.
Ispol'zovanie meteorologicheskikh i sinopticheskikh kharakteristik dlia kratkosrochnogo i dolgosrochnogo prognoza srokov zamerzaniia ozer i vodokhranilishch Kazakhstana pri otsutstvii gidrologicheskikh dannykh [Use of meteorological and synoptic characteristics for short range and long range forecasting of freezing times of lakes and reservoirs of Kazakhstan in the absence of hydrological data], 19.5-751
Sinopticheskie usloviia obrazovaniia i razrusheniia l'da na rekakh, ozerakh i vodokhranilishchakh Tsentral'nogo Kazakhstana i uchet sinopticheskikh indeksov oseni pri razrabotke metodov dolgosrochnykh prognozov nastupleniia vesennikh gidrologicheskikh iavlenii [Synoptic conditions of forming and breakup of ice in rivers, lakes and reservoirs of Central Kazakhstan and calculation of fall synoptic indices in developing methods of long range forecasts of onset of

spring hydrologic phenomena] (*with* **Timchenko, Z. A.**), 19.11-190

Beimers, Jelte G. D., *see* **Browning, K. A.,** 19.3-348

Bekoriukov, V. I.
- O vozmozhnykh prichinakh anomal'nykh poteplenii v nochnoi poliarnoi stratosfere [Possible causes of anomalous warming in the nighttime polar stratosphere], 19.8-362
- Sezonnye izmeneniia funktsii nagrevaniia stratosfery nad severnym polushariem [The seasonal variations of the stratospheric heating function over the Northern Hemisphere] (*with others*), 19.9-402

Belcin, V., *see* **Milea, E.,** 19.11-399

Belentsova, V. A.
- Grozy v Kabardino-Balkarskoi ASSR [Thunderstorms in Kabardino-Balkarian A.S.S.R], 19.7-295

Beletskii, V. V.
- Motion of an artificial satellite about its center of mass [Transl. from Russ.], 19.1-5
- Opredelenie orientatsii i vrashcheniia iskusstvennykh sputnikov po dannym izmerenii [Determination of the orientation and rotation of artifical satellites from measurement data] (*with others*) [and Eng. transl.], 19.4-559

Belevich, R. R.
- Vertikal'naia tsirkuliatsiia vod v severnoi tropicheskoi i ekvatorial'noi zonakh Tikhogo okeana [Vertical circulation of waters in the northern tropical and equatorial zones of the Pacific Ocean], 19.11-727

Belgium. Institut Royal Meteorologique
- Annuaire Climatologique, 1966, 19.11-50
- Annuaire: Magnetisme Terrestre, 1965 [Yearbook: Terrestrial Magnetism, 1965], 19.5-459
- Annuaire: Marees Terrestres, 1964/1965 [Yearbook: Earth tides, 1964/1965], 19.8-30
- Rayonnement solaire [a Uccle], 1966 [Solar radiation at Uccle, 1966], 19.5-83; . . . 1967, 19.12-70

Belgonucleaire, S. A., *see* **Baetsle, L. H.,** 19.9-851

Belhouse, H. C.
- Measurement and reporting of cloud height and amount by automatic weather station (*with* **Diekson, J. S.**), 19.4-115

Beliaev, I. P.
- Sposob interpoliatsii velichiny nagonnoi volny v ust'e Dona [Method of interpolation of the magnitude of a wind wave in the estuary of the Don River] (*with* **Deev, M. G.**), 19.10-374

Beliaev, Iu. I.
- Tsentr okeanograficheskikh dannykh [Oceanographical Data Center], 19.3-606

Beliaev, L. I.
- O rasprostranenii i soderzhanii mikroelementov gruppy tiazhelykh metallov v chernomorskikh vodakh (po dannym 1959-1964 gg) [Distribution and content of microelements of a group of hard metals in Black Sea waters (based on 1959-1964 data)], 19.2-556

Beliaev, S. P.
- Ob aspiratsii prob aerozolia iz potoka nulevymi zabornymi trubkami [Aspiration of aerosol samples from an air stream by "zero-basis" collecting tubes], 19.11-165

Beliaev, V. I.
- Ob osobennostiakh teplovogo rezhima poverkhnostnogo sloia Atlanticheskogo okeana [Characteristics of the thermal regime of the surface layer of the Atlantic Ocean] (*with* **Shapkina, V. F.**), 19.4-633
- Zakonomernosti rasprostraneniia radioaktivnykh zagriaznenii v okeane [Regularities of the radioactive contamination spreading into the ocean] (*with* **Kolesnikov, A. G.** and **Nelepo, B. A.**) [and Eng. transl.], 19.4-640

Beliaev, V. P.
- Instrumentation for meteorological observations from helicopters (*with* **Vinnichenko, N. K.** and **Pakhomov, L. A.**) [Transl. from Russ.], 19.9-166

Beliaev, V. S.
- O zavisimosti spektrov sostavliaiushchikh skorosti vetrovogo techeniia ot spektra tangentsial'nogo napriazheniia vetra [Relationship between the spectrum of wind current components and the spectrum of tengential wind stress] [and Eng. transl.], 19.5-256

Beliakov, L. N.
- O vliianii atmosfernogo tepla na gidrologicheskii rezhim Severnogo Ledovitogo okeana [Effect of atmospheric heat on the hydrological regime of the Arctic Ocean] (*with* **Nazintsev, Iu. L.**), 19.2-188
- Ob oshibkakh pri izmereni dreifa l'da samopistsem techenii BPV [Errors of ice drift measurement with the BPV recording meter], 19.4-699

Beliakova, O. M., *see* **Paranichev, L. G.,** 19.6-676

Belinskii, V. A.
- Aerology (*with* **Pobiiakho, V. A.**) [Transl. from Russ.], 19.2-10
- Raschet elementov ul'trafioletovogo klimata Karadaga na osnovanii radiatsionnoi modeli atmosfery [Calculation of elements of ultraviolet climate of Karadag on the basis of a radiation model of the atmosphere] (*with* **Mezhennaia, L. M.**), 19.2-209

Belkina, L. M.
- O chastotnoi zavisimosti pogloshcheniia radiovoln v ionosfere [Frequency dependence of absorption of radio waves in the ionosphere] [and Eng. transl.], 19.8-498

Bel'kovich, O. I.
- Veroiatnost' odnovremennogo obnaruzheniia meteorov na neskol'kikh raznesennykh radiolokatsionnykh stantsiiakh [Probability of simultaneous detection of meteors at several spaced radar stations] [and Eng. transl.], 19.8-661

Bell, Barbara, *see* **Harvey, G. A.,** 19.8-639

Bell, Bela
- Die vertikale Windaenderung ueber Budapest im Zusammenhang mit der thermischen Advektion [Vertical wind changes over Budapest in connection with thermal advection], 19.6-344

Bell, Carroll W., *see* **Thompson, A. H.,** 19.9-355

Bell, L. N.
O vremennom khode pokazanii termoelektricheskikh detektorov izlucheniia i termoelektricheskikh fotokalorimetrov [Time variation of the response of thermoelectric radiation detectors and thermoelectric photocalorimeters], 19.6-144
Bell, M. C.
Airborne radionuclides and animals, 19.6-233
Bell, Marvin S., *see* **Finney, J. W.**, 19.7-88; 19.9-112
Bell, R. A., *see* **Rodgers, A. W.**, 19.8-630
Bellaire, Frank R.
Lake Michigan meteorological data, 1963-66 (*with* **Elder, F. C.** and **Strong, A. E.**), 19.12-71
Bellchambers, W. H.
Ionospheric no-echo occurrences, 19.2-338
Belle, P., *see* **Vadot, L.**, 19.6-219
Belling, G. B., *see* **Jones, G. B.**, 19.8-52
Bellman, Richard
Chandrasekhar's planetary problem with internal sources (*with others*), 19.6-303
Numerical results for the estimation of source distributions from external radiation-field measurements (*with others*), 19.4-253
Belmont, A. D.
[Comments on] P. R. Julian: Midwinter stratospheric warmings in the Southern Hemisphere (*with* **Nicholas, G. W.** and **Shen, W. C.**), 19.9-272
Comparison of 15-μ TIROS VII data with radiosonde temperatures (*with* **Nicholas, G. W.** and **Shen, W. C.**), 19.7-327
See also **Shen, W. C.**, 19.8-364
Belon, A. E., *see* **Romick, G. J.**, 19.4-397
Belous, I. M.
Ob osobennostiakh temperaturno-vetrovogo rezhima vo vremia gololedno-izmorozevykh iavlenii na liniiakh sviazi i elektroperedachi v Kazakhstane [Characteristics of the temperature-wind regime during glaze-rime phenomena on communication and electrical transmission lines in Kazakhstan], 19.10-404
Belov, Pavel Nikolaevich
Nekotorye rezul'taty chislennykh eksperimentov po uchetu radiatsionnogo pritoka tepla v chislennom prognoze [Certain results, in numerical forecasting, of numerical experiments in which radiative heat influx is taken into account] (*with* **Alpatova, R. L.**), 19.4-240
Nekotorye vozmozhnosti ispol'zovaniia radiatsionnykh dannykh so sputnika v sinopticheskom analize [Some possible uses of radiation data from satellites in synoptic analysis] (*with* **Kurilova, Iu. V.**), 19.3-77
Prakticheskie metody chislennogo prognoza pogody [Practical methods of numerical weather forecasting], 19.11-1
Belov, V. F.
Vertikal'noe stroenie atmosfery po marshrutu plavaniia d/e "Ob" v 1965/66 g [Vertical structure of the atmosphere along the route of the "Ob" in 1965-1966] (*with* **Pavlov, Iu. N.**) [and Eng. transl.], 19.2-146
Belshe, John C.
Tables of sound and of depth corrections for echo-sounding in Hawaiian waters, 19.9-764
Belton, Michael J. S.
Search for an atmosphere on Mercury (*with* **Hunten, D. M.** and **McElroy, M. B.**), 19.5-562
Bely, F., *see* **Bely, O.**, 19.5-601
Bely, O.
Excitation of Fe XVII by electron impacts (*with* **Bely, F.**), 19.5-601
Benarie, M.
Mise au point et essais d'utilisation d'un appareil continu pour la mesure de poussieres par absorption de rayons beta (*with* **Bodin, D.**), 19.8-150
See also **Avy, A. P.**, 19.12-143
Bencze, Von P.
Beitraege zur Untersuchung der durch das Sq Stromsystem verursachten Verzerrung der ionosphaerischen E-Schicht [Contribution to the research on the distortion of the ionospheric E-layer caused by the Sq current system], 19.2-339
Bender, James A.
Deformation of excavations in a high polar neve, 19.12-394
Snow and ice, 19.4-350
Benedict, James B.
Recent glacial history of an alpine area in the Colorado Front Range, U.S.A., Pt. 1, 19.4-738; Pt. 2, 19.7-766
Benedict, William S.
Line parameters for the 1.9 and 6.3 micron water vapor bands (*with* **Calfee, R. F.**), 19.6-359
Benediktov, E. A.
Nekotorye rezul'taty ionosfernykh issledovanii v NIRFI s 1957 po 1967 gg [Some results of ionospheric investigations at the Scientific Research Institute of Radiophysics at Gorki University] (*with others*) [and Eng. transl.], 19.11-528
Bener, Paul
Investigation on the influence of clouds on ultraviolet sky radiation (at 330 mμ and 370 mμ), 19.9-379
Spectrophotometer for measuring ultraviolet sky brightness and direct solar radiation, 19.10-137
Bengelsdorff, Edgar
Ein neues hochfestes Seilkabel fuer ozeanographische in situ Geraete [New high tensile cable for *in situ* oceanographic instruments], 19.11-699
Benjamin, R. B., *see* **Ammons, R. L.**, 19.11-227
Benjamin, T. B.
Instability of periodic wavetrains in non-linear dispersive systems, 19.3-655
Ben'kova, N. P.
Rezul'taty nabliudenii ionosfery v magnitnosopriazhennykh tochkakh Kergelen-Sogra [The results of ionospheric observations at magnetically conjugated points of Kerguelen-Sogra] (*with others*) [and Eng. transl.], 19.5-396

Variability of ionospheric parameters (*with* **Sukhodol'skaia, A. N.**) [Transl. from Russ.], 19.1-15
Bennett, Carl M.
Power spectra of bottom pressure fluctuations in the nearshore Gulf of Mexico during 1962 and 1963, 19.5-663
Bennett, G. D., *see* **Greenman, D. W.,** 19.11-813
Bennett, J. E.
Oceanography in Europe, 19.9-721
Bennett, S. M.
Effect on non-inverse-frequency-squared absorption events (*with* **Rourke, G. F.**), 19.10-516
Benney, D. J.
Statistical properties of the sea (*with* **Newell, A. C.**), 19.11-724
Bennington, Kenneth O.
Desalination features in natural sea ice, 19.4-706
Benson, Carl S.
Polar regions snow cover, 19.12-395
Benson, M. A.
Synthetic hydrology based on regional statistical parameters (*with* **Matalas, N. C.**), 19.3-679
Benson, P. A.
Density of fallout particles from airbursts (*with others*), 19.4-204
Benson, Robert H.
Earth-orbital lifetime and satellite decay (*with* **Fleischman, E. F.** and **Hill, R. J.**), 19.7-631
Bentley, C. R., *see* **Behrendt, J. C.,** 19.9-36
Benton, Davis
Remoting radar scope weather and associated data via the Slo-Scan method, 19.1-110
Ben-Zvi, Arie
[Discussion of] R. Prasad: Nonlinear hydrologic system response model (*with* **Linsley, R. K.**), 19.10-411
Beran, Donald W.
Large amplitude lee waves and chinook winds, 19.3-258
Satellite observed cloud bands over China and the onset of surges in the Southeast Asian monsoon (*with* **Merritt, E.**), 19.10-364
Satellite observed cloud cover in southeast Asia (*with* **Merritt, E. S.**), 19.9-643
Beran, Vladimir
Zur Frage der Meteorotropie expulsiver Blutung in der Augenheilkunde [Meteorotropism of expulsive hemorrhage in opthalmology], 19.6-79
Bercovitch, M., *see* **Carmichael, H.,** 19.5-444
Berenger, M.
Cyclones Betsy et Carol, 19.4-227
Berg, Dennis S.
Systems analysis and additional instrumentation for modified "Porcupine" C-band pulse Doppler radar (*with others*), 19.12-94
Berg, O. E.
Physical parameters of cosmic dust obtained from rocket collections (*with* **Secretan, L.**), 19.1-464
Berg, T. G. Owe
Conversion of water vapor to ice by silver iodide (*with others*), 19.9-490
Investigation of the kinetics of condensation (*with* **George, D. C.**), 19.9-483
Investigations of charged water drops (*with* **George, D. C.**), 19.5-389
Berger, K.
Novel observations on lightning discharges: results of research on Mount San Salvatore, 19.1-344
Bergeron, Tor
Studies of the oreigenic effects on the areal fine structure of rainfall distribution, 19.8-429
Berggren, Roy
Distribution of ozone on pressure surfaces (*with* **Labitzke, K.**), 19.12-157
Eddy vertical transport of latent and sensible heat (*with* **Nyberg, A.**), 19.5-244
Bergstralh, Jay T.
Upper limit for atmospheric carbon dioxide on Mercury (*with* **Gray, L. D.** and **Smith, H. J.**), 19.1-485
Bergstrom, R. E., *see* **Brueckmann, J. E.,** 19.6-804
Berishvili, G. P.
O povtoriaemosti SC-bur' [Frequency of SC-storms] [and Eng. transl.], 19.7-607
Berkeley Symposium on Mathematical Statistics and Probability, 5th, Berkeley, Calif., 1965-66
Collection of data from cloud seeding experiments in five countries, 19.7-202
Proceedings, Vol. 5 (Weather Modification), 19.7-12
Berkey, F. T.
Coordinated measurements of auroral absorption and luminosity using the narrow beam technique, 19.4-462
Berkner, L. V.
Rise of oxygen in the Earth's atmosphere with notes on the Martian atmosphere (*with* **Marshall, L. C.**), 19.1-134
Berkofsky, Louis
[Comments on] W. L. Smith: Note on the relationship between total precipitable water and surface dew point, 19.3-260
Berkovich, L. V.
O sovmestnom uchete radiatsionnogo i tubulentnogo pritokov tepla v chislennom prognoze [Simultaneous consideration of radiative and turbulent heat influxes in numerical forecasting], 19.3-161
Berliand, M. E.
Meteorologicheskie problemy obespecheniia chistoty atmosfery [Meteorological problem of insuring atmospheric cleanliness], 19.6-198
Berliand, T. G.
Kharakteristika potokov tepla i vlagi za korotkie promezhutki vremeni v raionakh nedostatochnogo uvlazhneniia [Characteristics of the flow of heat and humidity during short periods of time in areas of insufficient moisture] (*with* **Pivovarova, Z. I.**), 19.10-281
Sovremennoe sostoianie issledovaniia radiatsionnogo klimata [Present day investigations of radiation climate], 19.1-200
Berlin, I. A.
Improved methods for primary processing of meteorological data (*with* **Burkovskaia, E. Kh.**

and **Tsyganova, A. M.**) [Transl. from Russ.], 19.8-77
Vozmozhnost' sopostavleniia meteorologicheskikh kharakteristik, poluchennykh po nabliudeniiam za 4 klimatologicheskikh i 8 sinopticheskikh srokov [Possibility of comparing meteorological characteristics obtained from observations of 4 climatological and 8 synoptic periods], 19.4-85

Berman, A.
Nychthemeral and seasonal patterns of thermoregulation in cattle, 19.8-345

Berman, Alan
Effects of ocean environment (underwater), 19.1-19

Bernadet, P.
Representation des champs meteorologiques au moyen des fonctions spheriques (*with* **Lourdain, J. C.**), 19.7-90

Bernard, Pierre
Recherche de la variation biennale en magnetisme terrestre, 19.5-492

Bernhardt, Karlheinz
Zur Hoehenbestimmung der Untergrenze tiefer Wolken aus Bodenwerten [Height determination of the lower boundary of low clouds on the basis of surface values], 19.5-71

Bernier, J.
On the design and evaluation of cloud seeding experiments performed by Electricite de France, 19.7-203

Bernstein, A. B.
Examination of three wind-profile hypotheses [Comment by H. Charnock], 19.3-231

Berry, Edwin X.
Cloud droplet growth by collection, 19.2-275
Modification of the warm rain process, 19.11-448
See also **Scott, W. T.**, 19.5-292

Berry, K.
Gypsey Race, a very intermittent stream of the Yorkshire Wolds, 19.6-794

Berry, Lee, *see* **Neuberger, H.**, 19.7-142

Berry, Leslie A.
Wave hop radio propagation theory, 19.10-68
See also **Johler, J. R.**, 19.8-73

Berry, R. G.
Models in meteorology and climatology, 19.5-62

Berson, F. A.
Layer echoes from under a canopy of high cloud, 19.12-65
Meridional interactions in the quasi-biennial stratospheric oscillation south of the tropics, 19.12-152
Spring-warming transfer processes in the lower Antarctic stratosphere, 19.5-233
Sunspot cycle and the quasi-biennial stratospheric oscillation (*with* **Kulkarni, R. N.**), 19.8-245

Berteaux, H. O.
Surface moorings: review of performance, 19.12-676

Berthelier, J.
Calcul d'un temps magnetique approche et fondement experimental de la notion de temps magnetique (*with* **Lebeau, A.**), 19.3-451

Berthomieu, G., *see* **Asseo, E.**, 19.5-513

Bertin, F.
Erreurs dans les methodes de determination du contenu total d'electrons par la mesure de l'effet Faraday-differentiel (*with* **Papet-Lepine, J.**), 19.12-466
Mesure de l'effet Faraday dans les zones de propagation transversale (*with* **Papet-Lepine, J.**), 19.10-69

Bertle, Frederick A.
Effect of snow compaction on runoff from rain or snow, 19.12-396
Needed research projects in surface water hydrology (*with others*), 19.6-732

Bertram, Friedrich Wilhelm
Die thermische emission der Atmosphaere im Spektralbereich zwischen 3.1 und 4.2 μm [Thermal emission of the atmosphere in the spectral band between 3.1 and 4.2 μm], 19.9-380

Bertsch, D. L.
Solar modulation of primary cosmic rays as deduced from neutron monitor data (*with* **Fody, S. A.**), 19.2-421

Berz, Gerhard
Berechnungen des Waermehaushaltes mit der IBM 7090 [Computation of the heat budget with the 7090 IBM computer], 19.6-284

Besfamil'naia, R. A., *see* **Rozengurt, M. Sh.**, 19.9-771

Beskin, L. I.
Soil moisture measurements with neutron flux [Transl. from Russ.], 19.9-189

Besleaga, N.
Curenti verticali si precipitatii la scara mare in atmosfera: metode cantitative de calcul [Large-scale vertical currents and precipitation in the atmosphere: quantitative methods of computation] (*with others*), 19.2-257
Integrarea unui model barotrop nedivergent cu ajutorul calculatorului electronic CET 500 [Integrating a nondivergent barotropic model with the help of a CET-500 electronic computer] (*with* **Stoian, R.** and **Amaftiesei, R.**), 19.11-176
See also **Stoica, C.**, 19.11-400

Bespalov, D. P.
Izmerenie temperatury v avtomaticheskoi stantsii UATGMS-1 (*with* **Zachek, S. I.** and **Kozhevnikov, B. L.**), 19.9-170
Methods for the measurement of temperature and heat flow in soil [Transl. from Russ.], 19.8-113
O kompensatsii soprotivleniia soedinitel'nykh provodov v neravnovesnom mostu [Compensation for the resistance of connecting wires in a nonequilibrium bridge] (*with* **Romanova, G. M.**), 19.8-121
Present day state and trends in the development of meteorological observations and measurements (*with* **Sternzat, M. S.**) [Transl. from Russ.], 19.8-78

Bess, T. Dale
  Summary of light-intensity data of eight Trailblazer I reentry bodies, 19.1-456
Best, Adolf
  Eine Analyse quasiperiodischer Variationen des Magnetfelds waehrend geomagnetischer Stuerme [Analysis of quasiperiodical variation of the magnetic field during geomagnetic storms], 19.12-539
  Die magnetische Energiedichte langperiodischer Schwankungen waehrend geomagnetischer Stuerme [Magnetic energy density of long period fluctuations during geomagnetic storms], 19.7-608
Best, G. T., *see* **Bedinger, J. F.**, 19.10-515; **Greer, R. G. H.**, 19.4-473
Betchov, Robert
  Review of Kraichnan's theory of turbulence, 19.10-322
Betinis, E. J.
  Approximate backscatter of electromagnetic waves from an inhomogeneous lunar surface, 19.7-654
Bettinger, Richard T.
  End effect associated with cylindrical Langmuir probes moving at satellite velocities (*with* **Chen, A. A.**), 19.7-164
Bettle, J. F.
  Establishment of the experimental Inter-American Meteorological Rocket Network (EXAMETNET) (*with* **Spurling, J. F.** and **Schmidlin, F. J.**), 19.10-95
Betts, Sherman W.
  Weather modification in the USA, 19.5-157
Bewersdorff, A.
  Simultaneous balloon measurements of auroral x-rays during slowing varying ionospheric absorption events (*with others*), 19.7-541
Beyer, M.
  Physische Beobachtungen von Kometen, XV [Physical observations of comets, Pt. 15], 19.2-503
Beyers, Norman J.
  Tidal experiment in the equatorial stratosphere over Ascension Island (*with* **Miers, B. T.**), 19.4-268; 19.5-235
Beynon, W. J. G.
  Electron collison frequency in the F-region of the ionosphere (*with* **Rangaswamy, S.**), 19.12-467
Bezrukikh, V. V.
  Otsenki verkhnego predela temperatury ionov na vysotakh 7000-30,000 km po dannym izmerenii na sputnike "Elektron-2" [Estimations of the upper limit of ion temperature at heights between 7000 and 30,000 km from measurements on the satellite "Elektron-2"] (*with* **Breus, T. K.** and **Gringauz, K. I.**) [and Eng. transl.], 19.4-266
Bezrukova, A. I.
  Nekotorye soobrazheniia o sviazi poiavlenii serebristykh oblakov s usileniem zonal'nosti atmosfernykh technii na zemle i piatnoobrazovatel'noi deiatel'nost'iu solntsa [Some comments on the relationships between the occurrence of noctilucent clouds, the zonality of the atmospheric circulation and sunspot activity], 19.5-363
Bezuglaia, E. Iu.
  K voprosu o polozhenii tropopauzy v zone struinogo techeniia i vysotnykh frontov [The problem of the position of the tropopause in the jet stream zone and of high altitude fronts], 19.5-175
  Sezonnye izmeneniia tropopauzy nad severo-vostokom SSSR [Seasonal variations of the tropopause above the northeastern U.S.S.R.], 19.5-176
  Tikhookeanskii stratosfernyi antitsiklon i ego rol' v termicheskom rezhime stratosfery zimoi nad Severo-Vostokom SSSR [Pacific Ocean stratospheric anticyclone and its role in the thermal regime of the stratosphere in winter over northeastern U.S.S.R.], 19.1-195
Bhagiratha Rao, E.
  N-h profiles for the ionosphere over Hyderabad (*with* **Satyanarayanamurthy, Ch.**), 19.6-476
Bhandari, Narendra
  Cosmic sut in the stratosphere (*with* **Arnold, J. R.** and **Parkin, D. W.**), 19.7-221
Bhar, J. N.
  Nature of the upper atmosphere, 19.4-185
Bhargava, B. N.
  Some features of relative sunspot number during the declining phase of solar cycle 19, 19.11-675
  Sudden commencement amplitudes and storm ranges in the Indian equatorial belt, 19.4-522
Bhartendu, –
  Study of atmospheric pressure variations from lightning discharges, 19.7-493
Bhattacharyya, J. C.
  Spectral characteristics of a solar flare from ionospheric data (*with* **Balakrishnan, T. K.**), 19.4-406
Bhavnagri, Viraf S.
  Flood proofing in a flood plain: a stochastic model (*with* **Bugliarello, G.**) [Discussion by authors], 19.10-425
Bhodigen, Swang, *see* **Sundara-Vicharana, Y.**, 19.12-163
Bianca, W.
  Impact of the atmospheric environment on the integument of domestic animals, 19.6-80
Bianco, Jesus Maria
  Address delivered at the inaugurational session [of the 5th Technical Conference on Hurricanes and Tropical Meteorology, Caracas, Venezuela, Nov. 20-28, 1967], 19.9-332
Bibik, V. V., *see* **Konstantinov, A. R.**, 19.10-56
Bibikova, T. N., *see* **Diubiuk, A. F.**, 19.4-235; 19.9-494
Bibilashvili, N. Sh., *see* **Sulakvelidze, G. K.**, 19.5-11
Bibl, K., *see* **National Research Council, Wash., D.C., U.S. National Committee of the URSI**, 19.1-380
Biddulph, Orlin, *see* **Kramer, P. J.**, 19.7-852
Bidwell, V. J.
  Time analysis of rainfall on an urban catchment, 19.6-390

Bien, G.
Transfer and exchange of ^{14}C between the atmosphere and the surface water of the Pacific Ocean (*with* **Suess, H.**), 19.10-223
Biermann, L.
On the cometary plasmas, 19.5-585
Bigarella, Joao Jose
Striated surfaces and related features, developed by the Gondwana ice sheets (State of Parana, Brazil) (*with* **Salamuni, R.** and **Fuck, R. A.**), 19.7-768
Biggar, J. W.
Miscible displacement and leaching phenomenon (*with* **Nielsen, D. R.**), 19.6-798
See also **Nielsen, D. R.**, 19.8-797
Biggs, Albert W.
Radiation fields in the ionosphere from a V.L.F. horizontal electric dipole in Antarctica (*with* **Swarm, H. M.**), 19.12-468
Radiation from a horizontal electric dipole buried in a multilayer Earth, 19.12-49
Bilancini, R.
Intervento dell'uomo sui fenomeni meteorologici, 19.6-187
Bilbro, J. D., Jr.
Application of rainfall and temperature probabilities to cotton production: Texas high plains, 19.11-354
Bilello, Michael A.
Relationships between climate and regional variations in snow-cover density in North America, 19.12-397
Some new or experimental equipment for use on snow and ice (*with* **Parrott, W. H.**), 19.6-152
Water temperatures in a shallow lake during ice formation, growth and decay, 19.7-784
Bilia, H. S.
Determination of the horizontal dimensions of mesoscale precipitating system (*with* **Hem, R.**), 19.7-282
See also **Raj, H.**, 19.4-152
Billard, B., *see* **Gambling, D. J.**, 19.7-478
Billard, Francois, *see* **Bricard, J.**, 19.12-326
Billings, Donald E.
Temperature of the inner corona with the sunspot cycle (*with* **Hatt, W. A.**), 19.8-683
See also **Thompson, W. I., III**, 19.1-498
Billmeyer, F. W., Jr., *see* **Beasley, J. K.**, 19.4-385
Binder, G. J., *see* **Kung, R. J.**, 19.7-147; **Lin, J. T.**, 19.6-358
Bingham, J. W., *see* **Richardson, D.**, 19.7-825
Binh, Dy Hoang, *see* **Hoang Binh, Dy**
Binsack, Joseph H.
Plasmapause observations with the M.I.T. experiment on IMP 2, 19.2-459
Simultaneous IMP 2 and OGO 1 observations of bow shock compression (*with* **Vasyliunas, V. M.**), 19.6-545
See also **Anderson, K. A.**, 19.7-611; **Lyon, E. F.**, 19.5-528
Biondi, Manfred A.
Twilight and nightglow spectral line shapes of oxygen λ6300 and λ5577 radiation (*with* **Feibelman, W. A.**), 19.9-620
Birch, F. S.
Low values of oceanic heat flow [Comments by X. LePichon and M. Langseth], 19.5-687
Birchfield, G. E.
Wind-driven currents in a long rotating channel, 19.5-257
Bird, John Brian
Physiography of Arctic Canada, with special reference to the area south of Parry Channel, 19.6-12
Bird, L. G.
Laser cloud-base recorder (*with* **Rider, N. E.**), 19.8-87
Birkemeier, W. P.
Observation of wind-produced Doppler shifts in tropospheric scatter propagation (*with others*), 19.8-383
Birman, B. A.
K raschetu ispareniia s poverkhnosti vodoema [Calculating evaporation from the surface of reservoirs], 19.9-473
See also **Filippov, V. V.**, 19.9-157
Birmingham, T. J.
Charged particle energization by an arbitrarily moving magnet (*with* **Northrop, T. G.**), 19.4-528
Bisal, Frederick
Effect of frost action on the size of soil aggregates (*with* **Nielsen, K. F.**), 19.6-310
Bischoff, Karlheinz
Opredelenie razmerov neodnorodnostei ionosfery po zapisiam zamiranii signalov ISZ na dvukh chastotakh [Definition of the "size" of ionospheric irregularities based on data of fading of satellite signals at two frequencies] [and Eng. transl.], 19.2-340
Bishop, Alexander W., *see* **Lob, W. H.**, 19.5-74
Bishop, B. B.
Lee waves over the Welsh mountains, 19.9-416
Bishop, E. H., *see* **Mack, L. R.**, 19.12-191
Bishop, K. A., *see* **Marsh, K. J.**, 19.2-106
Bisir, Dumitru
Determinarea in situ a permeabilitatii paminturilor prin metoda dilutiei punctuale [On the determination in situ of soil permeability by punctual dilution method] (*with* **Gaspar, E.**), 19.8-755
Bissett-Berman Corp., San Diego, Calif.
Development of buoy-mounted oceanographic sensors (BMOS), 19.7-722
Biswas, Asit K.
Hydrologic engineering prior to 600 B.C. [Discussion by G. Garbrecht, G. J. Requardt and N. J. Schnitter], 19.10-41
Hydrology during the Roman civilization, **Pt. 2**, 19.7-777; **Pt. 3**, 19.7-778
Biswas, K. R.
Cloud seeding experiment using common salt, 19.2-126
See also **Ramana Murthy, Bh. V.**, 19.11-243
Bitterly, J., *see* **Schlich, R.**, 19.4-520
Bittner, Fred, *see* **Bohan, W. A.**, 19.8-103
Bjelanovic, Momir M.
Mesoklimatische Studien im Rhein- und Moselgebiet: ein Beitrag zur Problematik der

Landesklimaaufnahme [Mesoclimatic studies in the Rhine and Mosel regions: a contribution to the problems of the topoclimatology survey], 19.11-19

Bjelland, S.
Norwegian meteorological buoy (*with* **Jensen, C. K.**), 19.4-116

Bjerknes, J.
Large-scale disturbance of the atmospheric circulation presumably originating from the equatorial Pacific, 19.3-164

Bjoernsson, Sveinbjoern
Iceland and mid-ocean ridges (*ed.*), 19.12-23
See also **Blanchard, D. C.**, 19.5-379

Bjordal, J., *see* **Rosenberg, T. J.**, 19.2-405

Bjorklund, L. J.
Ground-water resources of the Sevier River Basin between Yuba Dam and Leamington Canyon, Utah (*with* **Robinson, G. B., Jr.**), 19.11-812

Bjuro, E. D., *see* **Martynkevitch, G. M.**, 19.8-256

Black, A. L.
Soil reflectance, temperature, and fallow water storage on exposed subsoils of a brown soil (*with* **Greb, B. W.**), 19.8-326

Black, D. I.
Cosmic ray effects and faunal extinctions at geomagnetic field reversals, 19.5-480

Black, Peter G., *see* **Fujita, T.**, 19.10-262

Blackadar, Alfred K.
Determination of the effect of roughness change on the wind profile (*with others*), 19.10-368
External parameters of the wind flow in the barotropic boundary layer of the atmosphere, 19.8-382

Blackband, W. T., *see* **NATO. Advisory Group for Aerospace Research and Development. Ionospheric Research Committee**, 19.7-14

Blackburn, Maurice, *see* **California. Univ., San Diego. Institute of Marine Resources**, 19.2-514

Blacker, H. Virginia
Calibration of airglow photometers (*with* **Gadsden, M.**), 19.6-516

Blackmer, Roy H., Jr.
Analysis of maritime precipitation using radar data and satellite cloud photographs (*with* **Serebreny, S. M.**), 19.3-76

Blackwell, M. J.
Radiation meteorology in relation to field work, 19.2-189

Blair, W. E.
Ionospheric diagnostics using resonances of an electric dipole impedance, 19.7-495

Blake, G. J.
Interception and phytomorphology (*with* **Taylor, J. L.**), 19.6-410

Blake, J. B., *see* **Paulikas, G. A.**, 19.4-495

Blake, Lamont V.
Ray height computation for a continuous nonlinear atmospheric refractive-index profile, 19.5-179

Blamont, Jacques Emile
Dynamical structure of the atmosphere between 80 and 120 km (*with* **Barat, J.**), 19.2-341
Echelle interne de la turbulence atmospherique de 80 a 100 km determinee a partir de la fonction de structure des inhomogeneites (*with* **Teitelbaum, H.** and **Barat, J.**), 19.10-356
Mise en evidence de la thermoluminescence du sol lunaire (*with* **Chanin, M. L.**), 19.9-672
Structure horizontale des vents au-dessus de 90 km, 19.8-392
See also **Bonnet, R. M.**, 19.9-714; **Lemaire, P.**, 19.6-627

Blanc, Milton L.
Climate and soil moisture extraction, Gilat, Israel (*with* **Cohen, O. P.**), 19.2-611
Influence of local physiographic features, 19.7-193

Blanchard, Duncan C.
Water and the generation of volcanic electricity (*with* **Bjoernsson, S.**), 19.5-379

Blanchard, M. B., *see* **Ferry, G. V.**, 19.9-692

Blaney, H. F.
Determining consumptive use for water development (*with* **Criddle, W. D.**), 19.8-401

Blank, Horace R.
Geology and groundwater studies in part of the Edwards Plateau of Texas, including Sutton and adjacent counties (*with* **Knisel, W. G.** and **Baird, R. W.**), 19.6-803

Blaszczyk, Bogumila
Zastosowanie izotopow promieniotworczych do pomiaru rumowiska rzecznego i osadow morskich [Use of radioactive isotopes for the measurement of river and sea sediments], 19.9-824

Blegen, Kjell, *see* **Schjoedt, R.**, 19.9-546

Bleick, W. E., *see* **Haltiner, G. J.**, 19.9-233

Blevin, W. R.
Development of a scale of optical radiation (*with* **Brown, W. J.**), 19.6-102

Blevins, Lawrence L.
Visual observations of lightning in some Great Plains hailstorms (*with* **Marwitz, J. D.**), 19.10-501

Blinov, L. K.
Salt content of seawater and ice [Transl. from Russ.], 19.12-727

Blinov, N. I.
Dreif l'diny stantsii "Severnyi polius-8" [Drift of the "Severnyi Polius-8" ice flow] (*with* **Romanov, I. P.**), 19.5-708

Blinova, E. N.
O gidrodinamicheskoi teorii dolgosrochnykh prognozov pogody [Hydrodynamic theory of long range weather forecasting], 19.1-125
Obobshchenie gidrodinamicheskoi teorii klimata i dolgosrochnogo prognoza pogody [The hydrodynamic theory of climate and long range weather forecasting], 19.10-176
Obshchaia tsirkuliatsiia atmosfery i gidrodinamicheskii dolgosrochnyi prognoz pogody [General atmospheric circulation and hydrodynamic long range weather forecasting], 19.10-177

Bloch, M. R.
Historical evidence of sea-level change and its relation to polar albedo, 19.8-715

Block, Lars P.
Scaling considerations for magnetospheric model experiments, 19.3-523
Block, Paul
Applications of space data to water resources, 19.9-644
Bloemen, G. W.
Determination of constant rate deep recharge or discharge from groundwater level data, 19.7-814
Blokh, Ia. L.
Standartnyi algoritm dlia stantsii kosmicheskikh luchei po proverke postoianstva urovnia registratsii [A standard algorithm for a cosmic ray station by correcting the stability of the registration level] (*with* **Pimenov, I. A.**) [and Eng. transl.], 19.5-443
See also **Abrosimov, A. T.,** 19.1-15
Bloom, Gene L.
Bering Strait unattended oceanographic telemetry system utilizing a commercial LCG-25 strontium 90 generator (*with* **McDougal, D. E.**), 19.9-743
Blum, E. J.
Formation d'images, stability de phase, radio telescopes a sorties multiples, 19.9-31
Blum, Ronald
Synthetic model of the magnetosphere boundary, 19.7-612
Blumberg, Randolph
Hurricane probability in the Gulf of Mexico, 19.9-333
Offshore risks, 19.9-334
Blumen, William
Energy partition in a barotropic atmosphere, 19.5-184
Blumle, L. J., *see* **Aikin, A. C.,** 19.8-497
Blundell, G.
Analysis of auroral observations, Halley Bay, 1961-1962, 19.5-431
Bluskova, Donka
Vurkhu denonoshtniia khod na temperaturata v 40-metroviia prizemen sloi vuzdukh v Sofiisko [Diurnal temperature variations in the lower 40 m layer of the atmosphere in the Sofia area] (*with* **Kiuchukova, M.**), 19.2-223
Bobber, Robert J.
Near field of a dipole for measurements in shallow lakes, 19.6-746
Bobrov, M. S.
Sovremennoe sostoianie voprosa o strukture i poriadke tolshchiny kolets Saturna [Present-day state of the problem of the structure and order of the thickness of Saturn rings], 19.12-607
Bobrov, V. N.
O geomagnitnom standarte SSSR [Geomagnetic standard of the U.S.S.R.] (*with* **Puolokainen, T. P.** and **Trofimov, I. L.**) [and Eng. transl.], 19.7-581
O vliianii vlazhnosti na pokazaniia QHM [Humidity effect on QHM-readings] (*with* **Pavlovich, L. K.**) [and Eng. transl.], 19.2-446
Ob ustanovke kvartsevykh H-variometrov [Mounting of quartz H-variometers] [and Eng. transl.], 19.5-462
Bobyleva, I. M.
Turbulentnyi rezhim v termicheski-stratifitsirovannom planetarnom pogranichnom sloe atmosfery [Turbulent exchange in the thermally-stratified atmospheric planetary boundary layer] (*with* **Zilitinkevich, S. S.** and **Laikhtman, D. L.**), 19.9-428
Boccaletti, M. G., *see* **Vittori Antisari, O.,** 19.2-272
Bochenek, Krystyn
Transformation of electrodynamic into magnetogasdynamic waves, 19.12-469
Bochkovskaia, I. I.
Teplovoi effekt gigroskopicheskikh dymov [Thermal effect of hygroscopic smoke] (*with others*), 19.2-124
Bochnicek, Josef
Transit of an electromagnetic low-frequency disturbance through the lower ionosphere, 19.11-529
Bock, Paul
Concepts of a global water information system, 19.6-733
Bodin, D., *see* **Benarie, M.,** 19.8-150
Bodner, V. A.
Inertsial'no-korreliatsionnaia sistema dlia opredeleniia uglovykh koordinat ISZ [Inertial-correlation system for the determination of angular coordinates of artificial satellites] (*with* **Tuvaev, V. A.**) [and Eng. transl.], 19.4-560
Bodolai, Emma (Jakus)
Idojarasi elorejelzesek kategorikus es valosziusegi alakja [Categorical type and probability type weather forecasts], 19.12-114
See also **Bodolai, I.,** 19.2-180
Bodolai, I.
Macrosynoptical conditions for the formation of Slovenian squall-lines and some properties of cold fronts with thunderstorm (*with* **Bodolai, E.** and **Boejti, B.**), 19.2-180
Bodrogkoezy, Gy
Microclimate examinations in the autumn aspect of Cynodonti-Poetum angustifoliae (Rapaics 26) Soo 57 of the Maros Dam (*with* **Horvath, I.** and **Tassy, O.**), 19.11-492
Bodvarsson, Gunnar
Heat transfer and temperature microstructure at the ocean floor, 19.3-646
Some considerations on the optimum production and use of geothermal energy, 19.6-83
Boehl, Dietrich
Untersuchungen ueber die Korrekturformel fuer Tiefsee-Kippthermometer [Studies on formulas for correcting deep-water reversing thermometers], 19.11-708
Boehm, Erika
On the atmospheres of helium stars, 19.5-608
Boehm, Karl Heinz, *see* **Spiegel, E. A.,** 19.8-680
Boehme, Wolfgang
Change of circulation pattern in middle latitudes in connection with the 26-month cycle, 19.3-165

Eine 26-monatige Schwankung der Haeufigkeit meridionaler Zirkulationsformen ueber Europa [26-month fluctuation in the frequency of meridional circulation forms over Europe], 19.1-178

Boeing Co., Seattle, Wash.
LUNAR ORBITER II: photographic mission summary, 19.5-557

Boejti, B., *see* **Bodolai, I.,** 19.2-180

Boer, George J., Jr., *see* **Mahoney, J. R.,** 19.6-346

Boer, J. H.
Short-range lightning counters, a research tool (*with* **Feteris, P. J.** and **Wilson, J. W.**), 19.10-152
Verification of the accuracy of short-range lightning-counters, 19.1-113

Boettcher, Arnold J.
Ground-water development in the high plains of Colorado, 19.4-758

Boeyum, Gunnvald
Current measurements of the "M/S Helland-Hansen" in the area west of Gibraltar, 19.2-562
Hydrological observations of the M/S "Helland-Hansen" in the area west of Gibraltar, May 1965, 19.2-520
Hydrology and currents in the area west of Gibraltar: results from the "Helland-Hansen" Expedition, May 1965, 19.7-744

Bogachev, E. Iu.
Avtomaticheskii izmeritel' temperatury [Automatic temperature meter] (*with others*), 19.11-145

Bogdanov, M. A.
Zakonomernost' izmenchivosti vysotnoi frontal'noi zony i vosproizvodstvo nekotorykh promyslovykh ryb [Regularity in the variability of the upper frontal zone and reproduction of some commercial fish], 19.3-44

Bogdanova, A. K.
Nekotorye cherty gidrologicheskogo rezhima Adriaticheskogo moria [Some features of the hydrological regime of the Adriatic Sea] (*with* **Timoshchuk, V. I.**), 19.9-767
O raspredelenii i transformatsii sredizemnomorskoi vody v Chernom more [The distribution and transformation of waters from the Mediterranean Sea in the Black Sea] (*with* **Bol'shakov, V. S.** and **Tolmazin, D. M.**), 19.9-778
Tsiklichnost' v kolebaniiakh gidrologicheskikh faktorov i produktivnosti morei na primere Azovskogo moria [Periodicity in fluctuation of hydrological factors and productivity of seas as illustrated by the Sea of Azov], 19.10-737

Bogin, H.
Typhoon Clara as seen by MO/ROC/UNDP project radar at Hwalien, 19.10-253

Bogner, Mary A., *see* **Moses, H.,** 19.7-365; **U.S. Argonne National Lab., Argonne, Ill.,** 19.11-7

Bogomolov, A. M.
Problem of linking ATMS to the general telegraph circuit (*with* **Petrov, V. P.**) [Transl. from Russ.], 19.11-158

Bogorodita, Nadejda, *see* **Tistea, D.,** 19.11-426

Boguslavskii, S. G.
Opredelenie raskhoda antarkticheskoi konvergentsii v Atlantike [Determination of the discharge of the Antarctic convergence in the Atlantic], 19.4-648

Bohan, Walter A.
Guide for interpretation of satellite photography and nephanalyses, 19.8-103

Bohn, Erik V.
Introduction to electromagnetic fields and waves, 19.7-3

Bohn, J. Lloyd, *see* **Alexander, W. M.,** 19.8-632

Boiarkina, A. P., *see* **Tsvetkov, V. I.,** 19.11-665

Boiko, N. P.
Zashchitnoe lesorazvedenie na bogare [Protective afforestation under dry-farming conditions], 19.2-57

Boileau, Almerian R.
Atmospheric optical measurements in central Colorado in connection with long range oblique photography, 19.8-464; 19.12-446

Boischot, Andre
Noncircular aperture antennas, 19.9-31
Solar radio astronomy, 19.12-568
Soleil et la terre, 19.7-33

Boisvert, William E.
Currents along the east coast of Africa, 19.7-745

Bojanowicz, Maria, *see* **Mikulski, Z.,** 19.6-753

Bojkov, Rumen D.
Vertical ozone distribution over South Africa, 19.2-151

Boldizsar, Tibor
Terrestrial heat flow in Hungarian Permian strata, 19.8-334

Boldyrev, V. G.
K voprosu ob odnorodnosti i izotropnosti polia prizemnoi temperatury [Uniformity and isotropy of the surface temperature field] (*with* **Khamarin, V. I.**), 19.4-259
Vosstanovlenie vertikal'nykh profilei temperatury i vlazhnosti s ispol'zovaniem statisticheskikh kharakteristik [Restoration of vertical profiles of temperature and humidity by the use of statistical characteristics] (*with* **Iakovleva, E. A.**), 19.4-70

Boldyrev, V. M.
Ob uchete amplitudy vysot gornogo basseina v gidrologicheskikh raschetakh [Use of elevation amplitudes of a mountain basin in hydrologic computations], 19.10-791

Bole, James B.
Response of gravity water waves to wind excitation (*with* **Hsu, E. Y.**), 19.8-384

Bolen, Max C., *see* **Webb, W. L.,** 19.3-401

Boleo, Jose de Oliveira, *see* **Oliveira Boleo, Jose de**

Bolgiano, R., Jr.
Fine structure of the atmosphere deduced from direct observation and from turbulence theory, 19.9-30
General theory of turbulence: turbulence in the atmosphere, 19.11-312
Introductory remarks [on radiophysical aspects of irregular structure in the atmosphere], 19.9-290

- **Bolin, Bert**, *see* **Keeling, C. D.**, 19.6-658; 19.12-662
- **Bolkvadze, O. R.**
  - Ob issledovanii poliarizatsionnykh svoistv poverkhnostei Iupitera i Saturna [Investigation of the polarization properties of the surfaces of Jupiter and Saturn], 19.12-604
- **Bollermann, Bruce**
  - Cajun Dart 95 kilometer sounding rocket (*with* **Walker, R. L.**), 19.1-79
- **Bolotinskaia, M. Sh.**
  - On the quantitative characteristics of atmospheric circulation patterns [Transl. from Russ.], 19.9-322
- **Bol'shakov, V. S.**
  - Vliianie stoka rek na gidrologiiu severo-zapadnoi chasti Chernogo moria [The effect of river runoff upon the hydrology of the northwest portion of the Black Sea], 19.10-792
  - *See also* **Bogdanova, A. K.**, 19.9-778
- **Bolt, G. H.**, *see* **Day, P. R.**, 19.7-851
- **Boltovskoy, Esteban**
  - Resultados oceanograficos sobre la base del estudio del plancton recogido durante la campana "Cosetri II", 19.6-675
- **Boltrushko, L. P.**, *see* **Skripin, G. V.**, 19.1-15
- **Bomke, Hans A.**
  - Recombination coefficient and coronal contribution of E-layer ionization from magnetic observations of a solar eclipse (*with others*), 19.4-407
- **Bonatz, Manfred**
  - Der Einfluss der Luftdichte auf die Schwingungszeit von Horizontalpendeln [Effect of air density on the oscillation period of horizontal pendulums], 19.6-193
- **Bond, F. R.**
  - Auroral poles, 19.8-539
- **Bond, T. E.**
  - Microclimate and livestock performance in hot climates, 19.7-63
- **Bondarenko, A. L.**
  - K voprosu o registratsii dlinnoperiodnykh voln [Recording long-period waves] (*with* **Skibko, N. E.** and **Tereshko, A. G.**), 19.2-537
- **Bondarenko, V. I.**
  - O prodolzhitel'nosti sushchestvovaniia sporadicheskogo sloia E_S nad Kievom [Lifetime of the sporadic E_S layer over Kiev], 19.3-376
- **Boner, F. C.**
  - Floods of June 1964 in northwestern Montana (*with* **Stermitz, F.**), 19.4-366
- **Bonis, Katalin**
  - Legkori aeroszolban levo, vizben oldodo anyagokrol [Water soluble substances contained in atmospheric aerosols], 19.12-325
- **Bonner, F. T.**
  - Oxidation-reduction potential of saturated forest soils (*with* **Ralston, C. W.**), 19.8-51
- **Bonner, William D.**
  - Kinematics of the low-level jet (*with* **Esbensen, S.** and **Greenberg, R.**), 19.9-463
  - Satellite studies of clouds and cloud bands near the low-level jet (*with* **Winninghoff, F.**), 19.5-107
- **Bonnet, R. M.**
  - Limb-darkening observations between 1800 and 2900 A (*with* **Blamont, J. E.**), 19.9-714
- **Bonnyman, J.**
  - Iodine-131 levels in milk in Australia during the period July-December 1966 (*with* **Duggleby, J. C.**), 19.1-56
  - Strontium-90 and caesium-137 in some Australian drinking water supplies, 1961-1965 (*with* **Molina-Ramos, J.**), 19.7-255
- **Booher, L. J.**
  - Outlook for developing isotope and radiation equipment for more efficient use in the production of agricultural crops, 19.8-795
- **Booker, D. R.**
  - Balloon-transponder system for probing severe thunderstorms (*with others*), 19.10-269
- **Booker, Henry G.**
  - Simple methods for calculating LF and VLF reflection loss in the disturbed lower ionosphere (*with* **Crain, C. M.**), 19.12-470
- **Booth, R. E.**
  - Looking back on 1967, **Pt. 1**, 19.10-99; **Pt. 2**, 19.10-105
  - Snow survey of Great Britain, season 1960-61, 19.11-462
- **Boquist, Wallace P.**
  - Conjugate auroral measurements from the 1962 U.S. high altitude nuclear test series (*with* **Snyder, J. W.**), 19.2-394
- **Borden, Thomas R., Jr.**, *see* **Hering, W. S.**, 19.7-246
- **Bordovskaia, L. I.**
  - Nekotorye kharakteristiki sostoianiia atmosfery pri vnutrimassovykh livnevykh osadkakh v gornykh raionakh [Some characteristics of atmospheric conditions during intramass showers in mountain regions], 19.7-259
  - Temperaturnyi gornyi effekt i ego sviaz' s grozovo-gradovymi protsessami Severnogo Kavkaza [Temperature effect of mountains and its relation to hailstorm processes in the Northern Caucasus], 19.7-283
- **Borgman, L. E.**, *see* **Brown, L. J.**, 19.4-693
- **Borhidi, Attila**
  - Felszini albedo teruleti eloszlasa Magyarorszagon [Areal distribution of surface albedo values in Hungary] (*with* **Dobosi, Z.**), 19.1-206
- **Borisenkov, E. P.**
  - Automatic drawing of baric topography charts with the aid of an alpha-numerical printing arrangement (*with* **Tarasov, B. V.**) [Transl. from Russ.], 19.11-175
  - Automatic introduction of meteorological information from communication lines into an electronic digital computer and its analysis (*with* **Polysalova, N. F.**) [Transl. from Russ.], 19.11-138
  - Seasonal energy transformations in the atmosphere of the Northern and Southern Hemispheres [Transl. from Russ.], 19.11-322
- **Borisoglebskii, G. I.**
  - Aviatsionnye agrometeorologicheskie nabliudeniia dlia otsenki i prognozirovaniia sostoianiia zernovykh kul'tur na bol'shikh

  ploshchadiakh [Aerial agrometeorological observations for estimating and forecasting the state of grain crops for large areas], 19.4-159
Borisov, Anatolii Aleksandrovich
  Izmenilsia li klimat Leningrada [Has the climate of Leningrad changed?], 19.6-41
  Klimaty SSSR [Climates of the U.S.S.R], 19.6-8
Borisov, E. V.
  Opredelenie koeffitsienta turbulentnoi temperaturoprovodnosti pri razvitom vetrovom volnenii v glubokom more [Determination of the coefficient of turbulent temperature conductivity in a developed wind swell in a deep sea], 19.4-654
Borisov, N. F., *see* **Diukalov, A. N.,** 19.2-457
Borisov, P. V., *see* **Sapozhnikov, V. I.,** 19.3-118
Borisova, L. A.
  Actinometric observations from the surface of Lake Baikal (*with* **Vykhristiuk, M. M.**) [Transl. from Russ.], 19.9-370
Borisova, L. G.
  Ispol'zovanie osobennostei estestvennykh sinopticheskikh sezonov pri sostavlenii mesiachnykh prognozov pogody [Using peculiarities of natural synoptic seasons in compiling monthly weather forecasts] (*with* **Rudicheva, L. M.**), 19.12-130
Bork, Alfred M.
  Maxwell and the electromagnetic wave equation, 19.6-87
Bornstein, Robert D.
  Observations of the urban heat island effect in New York City, 19.12-445
Borodina, A. V.
  Primenenie estestvennykh sostavliaiushchikh dlia ob"ektivnoi tipizatsii polei H500 [Use of natural components for the objective typing of H500 fields], 19.4-146
Borovikov, A. M.
  Ob orientatsii oblachnykh griad [Orientation of cloud lanes] (*with* **Mazin, I. P.**), 19.12-345
Borovkova, T. N.
  Metodika nabliudenii na plavuchikh stantsiiakh i opredelenie ikh reprezentativnosti [Method of observations on floating stations and determination of their representativeness] (*with* **Serova, N. V.**), 19.1-77
  Pogloshchenie solnechnoi radiatsii vodnymi massami Kuibyshevskogo vodokhranilishcha [Absorption of solar radiation by water masses of Kuibyshev Reservoir], 19.1-212
Borovskii, N. V.
  Bol'shaia aerozol'naia kamera [Large aerosol chamber] (*with* **Volkovitskii, O. A.**), 19.8-151
  Termobarokamery dlia issledovanii po fizike atmosfery [Temperature-pressure chamber for research in atmospheric physics] (*with* **Volkovitskii, O. A.**), 19.8-164
Borowczyk, M.
  Single-well pulse technique (*with* **Mairhofer, J.** and **Zuber, A.**), 19.9-852
Borshchevskii, E. N., *see* **Levin, A. G.,** 19.3-716
Bortkovskii, R. S.
  Issledovaniia atmosfery nad morem [Investigations of the atmosphere above the sea] (*with* **Strokina, L. A.** and **Utina, Z. M.**), 19.12-733
Boryczka, Jerzy
  Wplyw wilgotnosci grunti i zbiornikow wodnych na zawartosc pary wodnej w przyziemnej warstwie powietrza [The effect of the humidity of the ground and of water basins on the water vapor content in the surface layer of the atmosphere], 19.5-279
Borzenkova, I. I.
  K voprosu o vliianii mestnykh faktorov na prikhod radiatsii v gornoi mestnosti [Effect of local factors on the influx of radiation in mountain areas], 19.1-282
  Nekotorye osobennosti teplovogo balansa v raione iuzhnogo sklona Zangezurskogo khrebta [Some heat balance characteristics in the region of the southern slope of Zangezursk range], 19.9-359
  O nekotorykh zakonomernostiakh vertikal'noi geograficheskoi zonal'nosti [Some laws of vertical geographic zonality], 19.9-360
Boss, E. G.
  Coupling coefficients for particle passage through the atmosphere, taking into account nuclear interactions (*with others*) [Transl. from Russ.], 19.1-15
Bossy, L., *see* **Piggott, W. R.,** 19.8-525
Bostroem, Rolf
  Auroral electric fields, 19.2-395
  Desirable magnetic-field measurements in the high-latitude magnetosphere, 19.4-529
Bosua, T. A.
  Verslag van onderlinge vergelyking van outografiese reeenmeters [Report on a comparison of recording rain gages], 19.8-131
Botez, Mihai P.
  Sur les meilleures conditions meteorologiques dans les mesurages geodesiques aux appareils electroniques radiotelemetriques (*with* **Atudorei, M.**), 19.9-384
Botley, Cicely M.
  Tektites are terrestrial? (*with* **Dauvillier, A.**), 19.3-579
  Unusual auroral periods, 19.5-432
Botnikov, V. N.
  Okeanograficheskie nabliudeniia vo vremia Odinnadtsatogo reisa d/e "Ob" [Oceanographic observations during the 11th voyage of the "Ob"] [and Eng. transl.], 19.2-524
Bottema, Murk, *see* **Zander, R.,** 19.4-313
Boueet, M.
  Vent d'orage en Valais, 19.5-205
Bourdila, A. M.
  Etude des effets ionospheriques de l'eclipse de soleil du 30 mai 1965 utilisant les observations faites par sondage zenithal classique, en Polynesie, 19.8-499
Bourelly, T.
  Pollution atmospherique par l'acidite fort et les fumees noires dans la banlieue de Paris: campagne de mesures, septembre 1965-mars 1966, 19.8-222
Bourgeon, P., *see* **Doury, L.,** 19.11-286

Bouriot, Michel
  Etude de l'ionisation magnetospherique entre 1, 9 et 2, 6 rayons geocentriques au moyen des sifflements radioelectriques recus a Poitiers au cours d'un cycle solaire (*with* **Tixier, M.** and **Corcuff, Y.**), 19.10-627
Bourke, V. Lynn, *see* **Colquhoun, J. R.,** 19.8-380
Bourkland, Martin T.
  Oceanographic cruise summary, Western Greenland Sea, August-September 1965, 19.12-667
  See also **Countryman, K. A.,** 19.12-75
Bourodimos, E. L.
  Linear and nonlinear wave motion, 19.10-754
Bourquin, Kent R.
  Investigation of air-flow velocity by laser backscatter (*with* **Shigemoto, F. H.**), 19.10-357
Bourquin, Larry B.
  Investigations in determining astronomic latitudes and their computer programs, 19.12-10
Bouscaren, R., *see* **Dubois, E.,** 19.7-135
Bouska, Jan
  Structure of the compression transition phase of a geomagnetic storm, 19.7-602
Bousquet, Claude
  Etude des vitesses ioniques mesurees de nuit dans la region F (*with* **Vasseur, G.**), 19.5-397
  Quelques resultats preliminaires d'observations ionospheriques lors de l'eclipse du 20 mai 1966 (*with others*), 19.4-408
Bowden, K. F.
  Circulation and mixing processes in the Liverpool Bay area of the Irish Sea (*with* **Sharaf El Din, S. H.**), 19.5-701
  Stability effects on turbulent mixing in tidal currents, 19.12-715
  See also **International Symposium on Boundary Layers and Turbulence including Geophysical Applications, Kyoto, Japan, Sept. 1965,** 19.9-27
Bowell, E. L. G.
  Arguments for the presence of undiscovered satellites (*with* **Wilson, L.**), 19.9-689
Bowen, A. J.
  Budget of littoral sands in the vicinity of Point Arguello, California (*with* **Inman, D. L.**), 19.5-690
  Wave 'set-down' and set-up (*with* **Inman, D. L.** and **Simmons, V. P.**), 19.8-741
Bowen, E. D.
  VHF characteristics of the transequatorial ionosphere (*with* **Fay, W. J.** and **Heritage, J. L.**), 19.7-496
Bowen, E. G.
  Cloud seeding, 19.8-203
Bowen, I. S.
  Astronomical optics, 19.6-563
Bowes, P. C.
  High mean temperatures in ships' holds, 19.8-460
Bowhill, S. A.
  Review of electron temperature work presented at Belgrade meeting, 19.9-30
  Rocket observations of the lowest ionosphere at sunrise and sunset (*with* **Smith, L. G.**), 19.6-477
  See also **National Research Council, Wash., D.C., U.S. National Committee of the URSI,** 19.1-380
Bowie, James E.
  Floods of July 18-23, 1965 in Northwestern Missouri (*with* **Gann, E. E.**), 19.6-795
Bowles, Duain
  Bridger data system multipoint snowpack thermometry, 19.6-94
Bowley, Clinton J.
  Comments on atmospheric requirements for the genesis of anomalous cloud lines, 19.1-293
  See also **Barnes, J. C.,** 19.7-432
Bowman, G. G.
  Movements of ionospheric irregularities and gravity waves, 19.12-471
  Some geomagnetic and ionospheric effects in Antarctica prior to storm sudden commencements, 19.1-29
Bowman, W. Alan
  Dynamics of the stratosphere during the 1958 warming, 19.8-10
Bowthorpe, M.
  Cosmic ray balloon measurements at high geomagnetic latitudes, March 1964 through Jan. 1965, 19.7-565
  See also **Boyd, J. S.,** 19.10-586
Bowyer, C. Stuart
  Upper limits to the 304- and 584-A night helium glow (*with* **Livingston, P. M.** and **Price, R. D.**), 19.6-305
Boyce, Farrell M.
  Brief study of the accuracy of the protected deep-sea reversing thermometer, 19.2-538
Boyce, J. P., *see* **Thompson, G. D.,** 19.1-286
Boyd, G. M., *see* **Duffus, H. J.,** 19.8-504
Boyd, J. S.
  Cosmic ray records, Wilkes 1965 (*with* **Bowthorpe, M.**), 19.10-586
Boyd, R. L. F.
  Measurement of electric fields in the ionosphere and magnetosphere, 19.3-501
Boyle, D. R., *see* **Violette, E. J.,** 19.6-158
Bozoky, Laszlo
  Adatok a koernyezet es az elelmiszerek radioaktiv szennyezodeserol Magyarorszagon [Data on the radioactivity of the environment and food in Hungary] (*with* **Kovacs, J.** and **Predmerszky, T.**), 19.6-234
Braainskii, S. I.
  Magnitnye volny v iadre Zemli [Magnetic waves in the Earth's core] [and Eng. transl.], 19.7-589
Brace, L. H.
  Early effects of increasing solar activity upon the temperature and density of the 1000-kilometer ionosphere (*with* **Mayr, H. G.** and **Reddy, B. M.**), 19.9-575
Bracewell, R. N.
  Optimum spacings for radio telescopes with unfilled apertures, 19.9-31
  See also **Conklin, E. K.,** 19.7-644

Bracey, Dewey R.
Geomagnetic measurement in the Pacific Ocean aboard USNS Charles H. Davis (AGOR-5), 1964, 19.3-620
See also **Avery, O. E.**, 19.3-633
Brachen, P. A., *see* **Hoffman, R. A.**, 19.5-519
Bradbury, Dorothy L.
Computation of height and velocity of clouds from dual, whole-sky, time-lapse picture sequences (*with* **Fujita, T.**), 19.11-443
See also **Fujita, T.**, 19.10-262
Bradbury, J. N.
Simultaneous measurements of electron content and charged-particle precipitation in a region of auroral activity (*with others*), 19.7-497
Bradford, A. P.
Reflectance, transmittance, and thermal emittance of mica as a function of thickness (*with* **Hass, G.** and **Heaney, J. B.**), 19.11-352
Bradka, Jan
Natural seasons on the Northern Hemisphere, 19.9-323
Pocasi pri ruaznych povetrnostnich situacich vyjadrene bodovaci metodou [Weather during various atmospheric situations expressed by the point method], 19.4-383
Statistika vetru v hladine 850, 700 A 500 mb v Praze [Wind statistics for the 805, 700, and 500 mb levels in Prague], 19.6-345
Bradley, Charles C.
Snow resistograph and slab avalanche investigations, 19.3-305
Bradley, J. N.
Studies in expanded shock tube flows, Pt. 1 and Pt. 2 (*with* **Robinson, P. A.**), 19.5-515
Bradley, James H. S.
Transient part of the atmospheric planetary waves, 19.8-292
Bradley, P. A.
Limiting polarization of radio waves of medium and high frequency reflected from the ionosphere, 19.6-478
Bradley, Wayne E.
Aircraft soundings of potential gradient, space charge and conduction current, and their relation to precipitation, 19.12-454
Effect of artificially produced space charge on the electrification of clouds (*with* **Semonin, R. G.**), 19.4-396; 19.11-520
Bradshaw, P.
Turbulence structure of equilibrium boundary layers, 19.8-377
Brady, M. Michael
Note on the tabular presentation of the radio refractive index as a function of meteorological parameters, 19.7-250
Brady, Nyle C.
Agriculture and the quality of our environment (*ed.*), 19.7-22
Bragin, Iu. A.
On interpretation of charged particles concentration at the heights of 10-60 km (*with* **Danilov, A. D.** and **Kostko, O. K.**), 19.8-246
On the nature of D layer in the ionosphere (*with others*), 19.10-517
Priamye issledovaniia sutochnogo khoda profili kontsentratsii zariazhennykh chastits nizhe 9 km [Direct studies of the diurnal variations o the profile of charged nuclei concentration below 90 km] [and Eng. transl.], 19.8-484
Priamye izmereniia dnevnogo i nochnogo profile kontsentratsii zariazhennykh chastits nizhe 8 km [Direct measurements of day and nigh profiles of the concentration of charge particles below 80 km] [and Eng. transl.] 19.1-339
Braginskii, S. I.
Ob osnovakh teorii gidromagnitnogo dinam Zemli [Principles of the theory of the Earth' hydromagnetic dynamo] [and Eng. transl.] 19.5-474
Braham, Roscoe R., Jr.
Cirrus cloud seeding as a trigger for storm development, 19.1-129; [Comments by W. Hitschfeld], 19.9-248
Meteorological bases for precipitation development, 19.12-354
Survival of cirrus crystals in clear air (*with* **Spyers-Duran, P. A.**), 19.3-279
See also **Morris, T. R.**, 19.11-437; **Spyers-Duran, P. A.**, 19.3-90
Brahde, Rolf
Computer program for "Almanakk for Norge," 19.2-457
Tower telescope of the Oslo Solar Observatory, Harestua, 19.10-652
Bramley, E. N.
Winds and electromagnetic drifts in the equatorial F2-region (*with* **Young, M.**) 19.6-479
Brand, G. F.
Propagation of transverse electromagnetic wave in a magnetized laboratory plasma (*wit* **Hooker, C. A.**), 19.9-111
Brand, Samson, *see* **O'Neill, T. H. R.**, 19.8-40
Brandejs, Stanislav
Prognosticke rovnice pro predpove prostoroveho rozlozeni geopotencialu vertikalni rychlosti se zahrnutim vliv uvolneneho latentniho tepla a vlivu podkladu [Prognostic equation for forecasting the specia distribution of the geopotential and vertica velocity, considering the effects of release latent heat and the lower layer], 19.4-147
Brandhorst, Wilhelm
Investigaciones sobre los recursos de la anchovet (Engraulis ringens J.) y sus relaciones con la condiciones oceanograficas e Agosto-Septiembre de 1963 y Marzo-Junio d 1964 (*with* **Rojas, O.**), 19.9-739
Resultados de estudios oceanografico-pesquero aereos en el norte de Chile (*with* **Canon, J. R.**) 19.8-732
Brandli, Henry W.
Natural environment of a satellite in a synchronous circular orbit, 19.3-78
Brandt, John C.
Radar observations and the extent of corona heating, 19.1-499

Brandt, P. N.
Modulation transfer functions of some solar recording films, 19.9-699
Branschi, P., *see* **Schild, M.,** 19.9-29
Branscomb, L. M., *see* **LeLevier, R. E.,** 19.4-191
Branski, Jan
Dokladnosc punktowego pomiaru zmacania wody [Accuracy of point measurements of water turbidity], 19.8-756
Brattsev, L. A.
O vliianii perebroski stoka severnykh rek v bassein kaspiia na narodnoe khoziaistvo Komi ASSR [The influence of the reversal of northern rivers into the Caspian basin on the national economy of the Komi ASSR] (*with* **Vitiazeva, V. A.** and **Podoplelov, V. P.**), 19.4-381
Brauckhoff, Kurt
Gleichzeitige Markierung von Meeressanden mit lumineszenten und magnetischen Stoffen zur Erleichterung der Probenaufbereitung bei Farbsandversuchen [Simultaneous tagging of sea sand with luminescent and magnetic substances for easier sample preparation in dyed sand experiments], 19.1-11
See also **Kolp, O.,** 19.1-11
Bray, R. J.
Solar granulation (*with* **Loughhead, R. E.**), 19.8-16
Brazell, J. H.
Chronology of weather in London to A. D. 1840, 19.12-3
London weather, 19.12-3
Breaker, Laurence C.
Magnitude of temperature variability at one location in the Tongue of the Ocean (*with* **Gleason, R. R.**), 19.12-731
Brecher, K.
Cosmology, black-body radiation, and the diffuse X-ray background (*with* **Morrison, P.**), 19.7-640
Bredov, M. M., *see* **Konstantinov, B. P.,** 19.1-142
Breeding, Seth Darnaby, *see* **Dowell, C. L.,** 19.1-594
Breier, Ariadna, *see* **Gastescu, P.,** 19.1-586; 19.7-789
Breiner, Sheldon, *see* **Hirshberg, J.,** 19.8-575
Breitling, W. J.
Traveling ionospheric disturbances associated with nuclear detonations (*with* **Kupferman, R. A.** and **Gassmann, G. J.**) [Discussion by D. P. Kanellakos], 19.3-385
Brennan, Eileen, *see* **Daines, R. H.,** 19.6-201; **Leone, I. A.,** 19.7-228
Bretschneider, Charles L.
Fundamentals of ocean engineering, **Pt. 4-A,** 19.6-686; **Pt. 4-B,** 19.4-692; **Pt. 5,** 19.4-228; **Pt. 6,** 19.6-340; **Pt. 7,** 19.6-172; **Pt. 8,** 19.10-375
Maximum sea state for the North Atlantic hurricane belt, 19.6-267
On the generation of wind-driven currents over the continental shelf, 19.9-453
Storm surges, 19.9-790
Brettschneider, Gottfried
Modelluntersuchungen der Gezeiten der Nordsee unter Anwendung des hydrodynamischnumerischen Verfahrens [Model studies of tides in the North Sea by means of the hydrodynamic numberical method], 19.4-696
Breus, T. K.
Otsenka temperatury protonov mezhplanetnoi plazmy po dannym, poluchennym na kosmicheskom apparate "Venera-3" [Evaluation of the temperature of interplanetary plasma protons according to data obtained by "Venus 3" cosmic probe] (*with* **Gringauz, K. I.**) [and Eng. transl.], 19.8-595
See also **Bezrukikh, V. V.,** 19.4-266
Brewer, A. W.
Measurement of the vertical distribution of ozone and its meteorological significance, 19.8-261
Brezhnev, V. V.
Avtomatizirovannoe gidrometeorologicheskoe obsluzhnivanie [Automatec hydrometeorological service] (*with* **Fedorov, Iu. K.**), 19.3-127
Brezonik, Patrick L.
Denitrification as a nitrogen sink in Lake Mendota, Wisc. (*with* **Lee, G. F.**), 19.7-785
Brian, P. L. T.
Vapor flow limitations in a melter-condenser (*with others*), 19.4-636
Bricard, Jean
Formation and evolution of nuclei of condensation that appear in air initially free of aerosols (*with* **Billard, F.** and **Madelaine, G.**), 19.12-326
Brice, Neil M.
Bulk motion of the magnetosphere, 19.3-502
Ion effects observed in radio wave propagation in the ionosphere, 19.12-472
See also **Jelly, D.,** 19.4-554
Brichambaut, Chr. Perrin de, *see* **Perrin de Brichambaut, Chr.**
Bridge, B. J., *see* **Rixon, A. J.,** 19.5-775
Bridge, C. W., *see* **Oestrem, G.,** 19.2-306
Bridge, H.
Plasma measurements in interplanetary space, 19.1-446
Bridge, H. S., *see* **Lyon, E. F.,** 19.5-528
Bridger, C. A.
Mortality from heat during July 1966 in Illinois (*with* **Helfand, L. A.**), 19.11-355
Briedon, Vojtech, *see* **Samaj, F.,** 19.10-97
Brier, Glenn W.
Some new approaches to the non-linear prediction of climatological and hydrological time series, 19.11-107
Some problems in evaluating cloud seeding effects over extensive areas (*with* **Carpenter, T. H.** and **Kline, D. B.**), 19.7-204
Some statistical and data analysis problems arising from a study of variations in the zonal westerlies associated with the tidal cycles, 19.12-192
See also **Panofsky, H. A.,** 19.10-1
Brierley, D. M.
Clear-sky detector, 19.9-184
Briggs, B. H.
Test for dispersion of F-region drifts observed by

  the radio star scintillation method (*with* **Golley, M. G.**), 19.12-473
Briggs, Peter
  Water: the vital essence, 19.7-32
Briggs, Robert E., *see* **Jacchia, L. G.,** 19.11-25
Briggs, Robert O.
  Development of a new instrument for measuring ocean bottom micro profile relief, 19.9-748
Brill, R.
  Gitterparameter von eis *I* bei tiefen Temperaturen [Lattice parameters of ice *I* at low temperatures] (*with* **Tippe, A.**), 19.8-749
Brink, V. C., *see* **Freyman, S.,** 19.5-293
Brinton, H. C., *see* **Taylor, H. A., Jr.,** 19.7-592
Bristor, C. L.
  Computer processing of satellite cloud pictures, 19.9-645
British Rainfall, Vol. 101, 1961, 19.11-51
Britvina, R. A., *see* **Koshel'kov, Iu. P.,** 19.5-68
Briunelli, B. E.
  Kolebaniia tipa PP kak cherenkovskoe izluchenie [PP type oscillation as Cerenkov radiation] (*with* **Liatskii, V. B.**) [and Eng. transl.], 19.4-516
  Main results of geophysical investigations at high latitudes, 19.3-147
  Nabliudeniia za korotkoperiodicheskimi variatsiiami magnitnogo polia Zemli v Antarktike [Observations of short-period variations of the Earth's magnetic field in the Antarctic], 19.3-476
Broadbent, L.
  Influence of climate and weather on the incidence of plant virus diseases, 19.7-59
Broadfoot, A. Lyle
  Airglow spectrum, 3100-10,000 A (*with* **Kendall, K. R.**), 19.5-440
  Coronal fine structure in X-ray emission, 19.1-500
  Resonance scattering by N_2^+, 19.5-435
  Tropospheric scattering of twilight N_2^+, 19.10-490
  Vibrational development of the nitrogen second positive system in aurora, 19.7-542
Broadfoot, W. M.
  Shallow-water impoundment increases soil moisture and growth of hardwoods, 19.5-53
Brochet, P.
  Caracteres climatiques de l'annee 1965 en France, 19.11-478
  Contribution a l'etude statistique de la turbulence en air clair zone Europe-Mediterranee (*with* **Gland, H.**), 19.4-283
Brock, Fred V., *see* **Hewson, E. W.,** 19.1-40
Brodkey, Robert S.
  Phenomena of fluid motions, 19.8-3
Brodskii, A. S., *see* **Sitnikov, V. K.,** 19.7-818
Broecker, Wallace S.
  Glacial rebound and the deformation of the shorelines of proglacial lakes, 19.5-734
  Radium-226 and radon-222: concentration in Atlantic and Pacific Oceans (*with* **Li, Y. H.** and **Cromwell, J.**), 19.3-639
Broenstad, K.
  East-west movements of pulsating auroral-zone x-ray events (*with* **Trefall, H.**), 19.6-510
Brogden, W. B.
  Three-dimensional trend-surface analysis of oceanographic data (*with* **Warnke, D. A.**), 19.11-691
Bronshten, V. A.
  Izluchenie meteorov i bolidov [Radiation of meteors and fireballs] (*with* **Liubarskii, K. A.**), 19.6-604
  O roli meteornykh chastits v obrazovanii serebristykh oblakov [On the role of meteor particles in the formation of noctilucent clouds], 19.5-364
  Teoriia i spektral'nye issledovaniia meteoritoobrazuiushchikh bolidov [Theory and spectral investigations of meteorite-forming bolides], 19.11-657
Brook, M., *see* **Ausman, E. L.,** 19.5-285
Brook, R. R.
  Effect of averaging time and sample duration on estimation and measurement of maximum wind gusts (*with* **Spillane, K. T.**), 19.12-269
Brooks, Burrow P., Jr., *see* **McWhorter, J. C.,** 19.8-436
Brooks, David R.
  Computerized data-reduction technique for Langmuir probe analysis of electron temperature variations in the exhaust of a magnetoplasma-dynamic arc (*with* **Hoell, J. M., Jr.**), 19.2-342
Brooks, Garnett R., Jr.
  Population ecology of the ground skink, *Lygosoma laterale* (Say), 19.1-222
Brosin, Hans Juergen
  Ozeanologische Beobachtungen an einer Stromgrenze auf dem patagonischen Schelf [Oceanological observations on the boundary of a current off the Patagonian Shelf] (*with* **Nehring, D.**), 19.12-698
Brousaides, Frederick J., *see* **Morrissey, J. F.,** 19.1-109
Brown, D. E., *see* **Attard, A. E.,** 19.8-154
Brown, D. M.
  Some recommendations on standard limits and formats for presentation of agroclimatic analyses (*with* **McKay, G. A.** and **Williams, G. D. V.**), 19.4-378
  See also **Chapman, L. J.,** 19.12-43
Brown, D. R.
  Airborne infra-red measurements at the Royal Aircraft Establishment (*with others*), 19.10-135
Brown, G. A., *see* **Cook, A. B.,** 19.5-508
Brown, G. F., *see* **Delevaux, M. H.,** 19.4-647
Brown, G. M.
  Diurnal asymmetries in the sub-peak electron content of the E- and F1-regions (*with* **Wynne, R.**), 19.4-409
  Solar daily disturbance variations in the lower ionosphere (*with* **Wynne, R.**), 19.4-410
Brown, J. M. B.
  Frost and the forest, 19.9-106

Brown, John A., Jr.
On atmospheric zonal to eddy kinetic energy exchange for Jan. 1963, 19.5-194
See also **Pybus, E. J.,** 19.12-311
Brown, John C., *see* **Hawkins, G. S.,** 19.10-668
Brown, K. W., *see* **Wright, J. L.,** 19.3-42
Brown, Keith J.
Large scale dynamic effects of cloud seeding (*with* **Elliott, R. D.**), 19.11-229
Brown, L. J.
Tables of the statistical distribution of ocean wave forces and methods of estimating drag and mass coefficients (*with* **Borgman, L. E.**), 19.4-693
Brown, Merle J.
Dust deposition and weather (*with* **Krauss, R. K.** and **Smith, R. M.**), 19.11-262
Brown, N. L., *see* **Gaul, R. D.,** 19.1-518
Brown, P. Lancaster
New tools of astronomy, 19.10-653
Shooting stars, bolides and dust, 19.5-578
Brown, R. J. E.
Comparison of permafrost conditions in Canada and the U.S.S.R., 19.1-235
Permafrost investigations in British Columbia and Yukon Territory, 19.11-370
Brown, R. R.
Auroral enhancement of atomic nitrogen, 19.6-515
Auroral-zone electron precipitation accompanying a sudden impluse in the geomagnetic field, 19.5-438
Energy-dependent modulation in auroral X-ray pulsations (*with* **Weir, R. A.**), 19.4-463
Intense auroral zone X-ray event in the 4-5 sec period range (*with* **Weir, R. A.**), 19.5-433
Temporal features of high-intensity auroral microbursts (*with* **Weir, R. A.**), 19.9-610
Brown, Richard T., Jr.
Backscatter signature studies for horizontal and slant range visibility, 19.8-88
Brown, Robert M.
Hail, hail: a case history, 19.6-427; 19.10-450
Brown, Ron
Ceiling on satellite communications, 19.12-562
Natural waveguides under the ground, 19.5-58
Brown, W. J., *see* **Blevin, W. R.,** 19.6-102
Brown, W. L.
Acceleration of trapped particles during a magnetic storm on April 18, 1965 (*with others*), 19.4-526
Brown, W. S.
Future of scientific journals (*with* **Pierce, J. R.** and **Traub, J. F.**), 19.4-20
Brown, Walter E.
Ionospheric electron content and the [OI] 6300 A nightglow (*with* **Steiger, W. R.**), 19.4-472
Brown Engineering Co., Inc., Huntsville, Ala.
AN/GMD Rawin Set Receiver System, 19.7-150
Brown Univ., Providence, R. I., Div. of Applied Mathematics, *see* **Adenstedt, R.,** 19.7-99
Browning, Keith A.
Determination of kinematic properties of a wind field using Doppler radar (*with* **Wexler, R.**), 19.3-60
Growth environment of hailstones, 19.2-301
Hailstones breaking in mid-air, 19.1-314
Oblateness of large hailstones (*with* **Beimers, J. G. D.**), 19.3-348
See also **Harrold, T. W.,** 19.9-440
Brownscombe, J. L.
Experimental and field studies of precipitation particles formed by the freezing of supercooled water (*with* **Hallett, J.**), 19.4-341
Measurement of the thermoelectric power of ice by an induction method (*with* **Mason, B. J.**), 19.5-715
Bruce, J. P.
Provisional evaporation maps of Canada (*with* **Weisman, B.**), 19.7-368
World Weather Watch and its implications in hydrology and water resources management (*with* **Nemec, J.**), 19.7-34
Bruch, Herbert
Die meteorologische Ausbildung der Linienflugzeugfuehrer in der Bundesrepublik [Meteorological training of commercial airplane pilots in the German Federal Republic], 19.6-60
Brueckmann, J. E.
Ground-water geology of the Rock Island, Monmouth, Galesburg, and Kewanee Area, Illinois (*with* **Bergstrom, R. E.**), 19.6-804
Brueckner, G.
Measurement of resonance polarization in the chromosphere of the Sun and its general magnetic field, 19.6-619
Ein neuer Magnetograph zur simultanen Messung des longitudinalen und des transversalen Zeemaneffektes im Sonnenspektrum [New magnetograph for the simultaneous longitudinal and transverse recording of Zeeman effect in the solar spectrum], 19.6-623
Bruevich, L. D., *see* **Makarova, V. S.,** 19.3-271
Bruevich, S. V.
Khimicheskoe vzaimodeistvie mezhdu okeanom i atmosferoi: solevoi obmen [Chemical interaction between the ocean and the atmosphere: salt exchange] (*with* **Kulik, E. Z.**) [and Eng. transl.], 19.7-749
Bruman, J. R.
Ice on the Moon, 19.8-649
Bruner, E. C., Jr.
Solar hydrogen Lyman-alpha-profile spectrograph (*with* **Rense, W. A.**), 19.6-625
Brunet-Moret, Yves
Theoretical and methodological study of distribution of rainfalls (*with* **Roche, M.**), 19.1-297
Brunner-Hagger, W.
Die zeitliche und oertliche Verteilung der groessten Niederschlaege der Ostschweiz [Time and space distribution of maximum precipitation in eastern Switzerland], 19.5-309
Brunstein, K. A.
Low-energy, secondary electrons at balloon altitudes, 19.5-442
Brunt, P.
Thermal design and testing of the ESRO II Solar astronomy satellite (*with* **Conchie, P. J.**), 19.6-133

- **Brustet, M.,** *see* **Saporte, R.,** 19.9-182
- **Brutsaert, Wilfried**
  - Evaporation from a very small water surface at ground level: three-dimensional turbulent diffusion without convection, 19.2-264
  - Mass transfer aspects of pan evaporation (*with* **Yu, S. L.**), 19.12-91
- **Bruun, Inger**
  - Standard normals 1931-1960 of the air temperature in Norway, 19.11-356
- **Bruzek, A.**
  - On arch-filament systems in spotgroups, 19.8-682
  - Physics of solar flares: the energy and mass problem, 19.10-700
- **Bryan, Joseph G.**
  - Development of a computational technique for multi-group probability forecasting using a Linear Expotential-Quotient (LEQ) model, 19.12-115
  - Research on the prediction of rare events to improve forecasts of low ceiling and visibility (*with* **Russo, J. A., Jr.** and **Merriman, G. T.**), 19.7-178
- **Bryan, Kenneth E.**
  - Relationship of K-values to probability of showers in the mid-south, 19.8-174
  - *See also* **Alderman, D. D.,** 19.8-180
- **Bryan, Kirk**
  - Numerical investigation of the oceanic general circulation (*with* **Cox, M. D.**), 19.5-656
- **Bryan, Robert J.**
  - Air quality monitoring, 19.11-258
- **Bryant, C. T.,** *see* **Foxworthy, B. L.,** 19.5-765
- **Bryant, G. W.**
  - Thermoelectric power of single crystals of ice containing HF or NH3, 19.4-723
- **Bryant, H. C.,** *see* **Woodward, B. W.,** 19.6-671
- **Bryant, P. J.**
  - Wind amplification of water waves, 19.10-376
- **Bryson, Reid A.**
  - All other factors being constant . . .: a reconciliation of several theories of climatic change, 19.11-480
  - Curriculum for Class 1 meteorological personnel specializing in climatology, 19.3-21
  - Radiocarbon isochrones of the retreat of the Laurentide ice sheet (*with* **Wendland, W. M.**), 19.8-751
  - Tentative climatic patterns for some late glacial and post-glacial episodes in Central North America (*with* **Wendland, W. M.**), 19.9-11
  - *See also* **Kutzbach, J. E.,** 19.11-323; **Peterson, J. T.,** 19.11-348; **White, F. D., Jr.,** 19.12-204
- **Bubnov, V. A.**
  - Nekotorye zakonomernosti formirovaniia sloia kislorodnogo minimuma v severnoi chasti Atlanticheskogo okeana [Some regularities in the formation of minimum oxygen layer in the North Atlantic] [and Eng. transl.], 19.7-738
  - Vertikal'nyi turbulentnyi obmen i transformatsiia sredizemnomorskikh vod v Atlanticheskom okeane [Vertical turbulent exchange and transformation of the Mediterranean water in the Atlantic Ocean] [and Eng. transl.], 19.4-655
- **Buchan, W. E.**
  - Urban haze: the extent of automotive contribution (*with* **Charlson, R. J.**), 19.10-485
- **Buchinskii, I. E.**
  - Meteorologiia i klimatologiia na Ukraine v period 1917-1926 gg [Meteorology and climatology in the Ukraine during 1917-1926], 19.9-57
- **Buchwald, V. T.**
  - Propagation of continental shelf waves (*with* **Adams, J. K.**), 19.12-741
- **Buck, G. Joseph**
  - Signal and noise characteristics in radiometric correlation detectors, 19.12-87
- **Buck, Manfred**
  - Joint and separate determination of nitrogen monoxide and nitrogen dioxide in the atmosphere (*with* **Stratmann, H.**), 19.7-162
- **Buckmaster, H. A.**
  - VLF phase anomaly induced by a nuclear explosion (*with* **Skirrow, J. D.**), 19.11-99
- **Buckwalter, G. E.**
  - Natural phenomena, 19.1-585
- **Budd, William**
  - Ablation from a Antarctic ice surface, 19.12-318
  - Amery Ice Shelf (*with* **Smith, I. L.** and **Wishart, S.**), 19.11-776
- **Budyko, M. I.**
  - Izmeneniia klimata [Climatic change], 19.6-436
  - On the causes of climate variations, 19.12-428
  - Vliianie vulkanicheskikh izverzhenii na prikhodiashchuiu k poverkhnosti Zemli solnechnuiu radiatsiiu [Effect of volcanic eruptions on the incoming solar radiation] (*with* **Pivovarova, Z. I.**), 19.9-361
- **Budzinski, E. E.,** *see* **Whalen, B. A.,** 19.1-404
- **Budzinski, Karol**
  - Zagadnienia ochrony powietrza atmosferycznego przed zanieczyszczeniami [Problems of atmospheric air protection against contamination], 19.6-199
- **Budziszewska, Elzbieta**
  - Przestrzenny rozklad sum opadowych deszczu ciaglego na terenie Wielkiej Warszawy w okresie od marca do listopada 1960 g [Spatial distribution of continuous rainfall amounts in the Great Warsaw area, March to Nov. 1960], 19.7-401
- **Buecher, Roger W.,** *see* **Odencrantz, F. K.,** 19.1-347
- **Buell, C. Eugene**
  - Mathematical/statistical technique to estimate maximum aerospace vehicle response to wind, 19.8-373
- **Bues, Irmela,** *see* **Weidemann, V.,** 19.8-116
- **Buffington, E. C.**
  - Marine geology, 19.3-10
- **Bugaev, V. A.**
  - Karty obshchego soderzhaniia ozona. Prilozhenie k Sinopticheskomu Biulleteniu Severnoe polusharie [Charts of general ozone content. Supplement to Synoptic Bulletin of the Northern Hemisphere] (*with* **Uranova, L. A.**), 19.7-219
  - Orographic disturbances of the eastward air transport generated by the relief of Antarctica (*with*

Musaelian, Sh. A.), 19.12-193
Raspredelenie obshchego soderzhaniia ozona nad Severnym polushariem [Distribution of the total amount of ozone over the Northern Hemisphere] (*with* **Uranova, L. A.**), 19.4-195

Bugaeva, I. V.
Izuchenie topografii velopauzy nad Severnym polushariem [Study of velopause topography over the Northern Hemisphere], 19.4-305
O polozhenii velopauzy v zapadnoi polovine severnogo polushariia [Position of the velopause in the western half of the Northern Hemisphere], 19.8-393

Bugliarello, George, *see* **Bhavnagri, V. S.,** 19.10-425

Buhler-Broglin, A.
Hunting charges $\pm{}^4/_3e$ in the cosmic radiation (*with others*), 19.1-413
Study of the fractional charge content of the cosmic radiation (*with others*), 19.3-421

Buikov, M. V.
Korreliatsionnye funktsii summ osadkov i oshibki pri izmerenii sloia letnikh osadkov po dannym osadkomernoi seti Eksperimental'nogo meteorologicheskogo poligona [Correlation functions of sums of precipitation and errors in measurements of the layer of summer precipitation based on data of the precipitation gage network of the Experimental Meteorological Proving Ground] (*with others*), 19.1-296

Buil, Jose A.
Unit graphs for nonuniform rainfall distribution, 19.7-402

Buinevich, A. G., *see* **Vladimirov, O. A.,** 19.11-734

Buis, P. M.
Current density measurements in atmospheric electricity, 19.4-391

Bukata, R. P.
Effect of the filamentary interplanetary magnetic field structure on the solar flare event of May 4, 1960 (*with* **Palmeira, R. A. R.**), 19.12-565
See also **McCracken, K. G.,** 19.2-437; **Rao, U. R.,** 19.2-438, 439

Bukin, G. V.
O prostranstvenno-vremennom raspredelenii ionizatsii v oblasti F2 ionosfery na vysokikh shirotakh iuzhnogo polushariia [Space-time distribution of ionization in the F2 region of the ionosphere at high latitudes of the Southern Hemisphere] (*with* **Fatkullin, M. N.**) [and Eng. transl.], 19.1-364

Bulatov, L. V.
Nekotorye osobennosti nakopleniia i raskhoda tepla v iugo-zapadnoi chasti Karskogo moria [Some features of accumulation and loss of heat in the southwestern part of the Kara Sea] (*with* **Zakharov, V. F.**), 19.2-185

Bulatov, S. N.
Characteristics of the temperature and velocity regime of Bratsk Reservoir under an ice cover [Transl. from Russ.], 19.2-595

Bulavko, A. G.
Otsenka pogreshnostei pri vodnobalansovykh issledovaniiakh [Estimate of error at water balance investigations], 19.7-796

Bulgakov, N. P.
Extreme winter boundary of ice in Far Eastern Seas [Transl. from Russ.], 19.2-577
Osnovnye cherty stroeniia i polozheniia subarkticheskogo fronta v severo-zapadnoi chasti Tikhogo okeana [Main features of the structure and position of the subarctic front in the Northwestern Pacific] [and Eng. transl.], 19.5-667

Bull, Colin
Earthquake-induced slide on the Sherman Glacier south-central Alaska, and its glaciological effects (*with* **Marangunic, C.**), 19.11-773
See also **Calkin, P. E.,** 19.4-737

Bull, Gerald V., *see* **Murphy, C. H.,** 19.1-65, 269; 19.8-85; 19.9-597

Bull, Guenther
Spectra of radio refractive index, 19.7-87

Bullard, D. C., *see* **Allan, D. W.,** 19.5-473

Bullen, J. M.
Electric fields in the aurora, 19.7-543

Bullough, K.
Some preliminary results of observations of GBR (Rugby) 16 khz transmissions by Ariel 3 (*with* **Hughes, A. R. W.** and **Kaiser, T. R.**), 19.10-123

Bullrich, Kurt
Research on atmospheric optical radiation transmission, Dec. 1, 1965-Nov. 30, 1966 (*with others*), 19.7-298
Solar radiation extinction, sky radiation, sky light polarization and aerosol particle total number and size distribution on the Island Maui, Hawaii (*with others*), 19.12-144

Bumba, V.
Radial motions in small and young sunspots, 19.4-587

Bumpus, Dean F.
Investigations of climate and oceanographic factors influencing the environment of fish, 19.5-680; 19.7-444

Bumpus, K.
Track charts, bathymetry, and location of observations, Atlantis Cruise No. 226, North Atlantic Ocean: east-west, north-south features and Coral Banks Survey, June 20, 1961-July 26, 1961 (*with* **Dunkle, W. M.**), 19.5-618

Bunker-Ramo Corp., Canoga Park, Calif., *see* **Gainer, C. A.,** 19.8-49

Bunn, C. C.
Application of electric field change measurements to the calibration of a lightning flash counter, 19.8-485

Bunsch, Zofia (Makarewicz)
Metoda przewidywania maksymalnego mozliwego opadu na terenie Polski poludniowej [A method of forecasting maximum available precipitation over the area of Southern Poland], 19.8-175
Proba oceny mozliwosci wykorzystania materialow z depesz NEPAN w krajowej sluzbie prognoz [An attempt at evaluation of the possible use of the material from NEPAN messages in the national synoptic service], 19.6-163

Burakov, D. A.
- O faktorakh vesennego stoka rek iuga lesnoi zony Zapadno-Sibirskoi ravniny [Spring flow factors of rivers of the southern forest zone of the West Siberian plain], 19.3-110
- Predvychislenie gidrografa vesennego polovod'ia v usloviiakh Vasiugan'ia [Numerical forecasting of the spring flood hydrograph in the Vasyuganye area], 19.12-133
- Predvychislenie gidrografa vesennego polovod'ia zabolochennykh rek v iuzhnoi chasti lesnoi zony Zapadno-Sibirskoi nizmennosti [Prediction of a spring flood hydrograph for marshy rivers in the southern part of a forest zone in the Western Siberian Lowland], 19.6-769

Burbidge, Geoffrey R.
- Generation of radio sources, 19.12-572
- Pulsed radio sources (*with* **Strittmatter, P. A.**), 19.12-575
- *See also* **Gould, R. J.,** 19.10-588

Burckhardt, H.
- Zur Haeufigkeitsverteilung von Stunden mit Luftfeuchtigkeitswerten, die fuer die Landwirtschaft von besonderer Bedeutung sind [Frequency distribution of hours with atmospheric humidity values of particular significance for agriculture], 19.1-277

Burdecki, F.
- Determination of the origin of atmospheric electrical discharges, 19.5-79
- 6th International Polar Meeting of the German Society for Polar Research, Oct. 1967, 19.10-30
- Some fundamentals of satellite meteorology, 19.9-646
- Surface and sea-level temperatures and thermal unrest of the Southern Hemisphere during the summer half-year of the IGY, 19.9-385

Burgess, B.
- Experimental determination of the phase delay of VLF radio waves propagating over great distances, 19.10-70
- On the propagation delay of modulated VLF radio waves transmitted over great distances, 19.10-518

Burgy, R. H.
- Watershed management (*with* **Fletcher, J. E.** and **Sharp, A. L.**), 19.7-812

Burkard, Otto M.
- Aufbau der oberen Erdatmosphaere [Structure of the Earth's upper atmosphere], 19.7-238

Burke, F. P., Jr.
- DRV operation and instrumentation (*with* **Rainnie, W. O., Jr.**), 19.9-747

Burke, T. P.
- Studio su alcune trasformazioni che interessano l'aria contenuta in una camera ermeticamente chiusa (*with* **Dalu, G.**), 19.11-497

Burkovskaia, E. Kh., *see* **Berlin, I. A.,** 19.8-77

Burlaga, Leonard F.
- Micro-scale structures in the interplanetary medium, 19.10-654

Burling, R. W., *see* **Weiler, H. S.,** 19.1-247

Burlutskii, Ruben Fedorovich
- Kolebaniia obshchei tsirkuliatsii atmosfery i dolgosrochnye prognozy pogody [Fluctuations of the general atmospheric circulation and long range weather forecasting] (*with* **Rafailova, K. K.** and **Semenov, V. G.**), 19.2-2

Burman, E. A.
- O termodinamike fenov [Thermodynamics of foehn], 19.2-247

Burman, R.
- On the propagation of micropulsation whistlers through a possible region of evanescence in the magnetosphere, 19.7-487

Burnett, D.
- Summary report [on new developments] (*with* **Scarf, F. L.**), 19.9-30

Burns, A., *see* **Reiter, E. R.,** 19.7-340

Burns, Donald A.
- Advance water level information for Da Nang Harbor, Republic of Vietnam, June through December 1968 (*with* **Lazanoff, S. M.**), 19.11-208
- Current measurements at two stations in the Mekong Delta, Republic of South Vietnam, 19.12-708

Burns, J. A.
- Jupiter's decametric radio emission and the radiation belts of its Galilean satellites, 19.10-664

Burns, R. E., *see* **Cummins, D. G.,** 19.5-48

Burns, Robert E.
- Heat flow in the Pacific Ocean off Central California (*with* **Grim, P. J.**), 19.5-685

Burns, Rowland E.
- Motion of an artificial satellite under combined influence of planar and Keplerian force fields, 19.11-601

Burov, A. S., *see* **Fedorov, S. F.,** 19.1-306

Burov, M. I.
- Spatial and dynamic characteristics of noctilucent clouds, 19.9-556

Burpee, Robert W., *see* **Sanders, F.,** 19.9-221

Burrell, M. O.
- Analysis of energetic space radiation and dose rates (*with* **Wright, J. J.** and **Watts, J. W.**), 19.10-52

Burroughs, H. H.
- Rain intensity-time distributions, 19.6-395

Burroughs, W. J., *see* **Gebbie, H. A.,** 19.8-338

Burrows, A. L.
- Geomagnetic field in New Zealand at epoch 1960.5, 19.5-507

Burrows, D. A.
- Factors affecting the electric charge acquired by an ice sphere moving through natural snowfall (*with* **Hobbs, P. V.** and **Scott, W. D.**), 19.5-388

Burrows, J. R., *see* **Lin, W. C.,** 19.9-617; **McDiarmid, I. B.,** 19.6-541

Burrows, Keith
- Simultaneous determination of rocket trajectories and rapid auroral variations, 19.2-86

Burstyn, Harold L.
- Early explanations of the role of the Earth's rotation in the circulation of the atmosphere and the Ocean, 19.6-253

Burt, Wayne V., *see* **Quinn, W. H.,** 19.3-199; 19.5-214; 19.11-351

Burton, J. D.

Solubility of barium sulphate in sea water (*with* **Marshall, N. J.** and **Phillips, A. J.**), 19.9-768

Burtsev, A. I.

Scheme for the forecasting of winds in the free atmosphere (*with* **Vetlov, I. P.**) [Transl. from Russ.], 19.7-167

Burtsev, I. I.

Vymyvanie osadkami produktov deleniia iz podoblachnogo sloia atmosfery [Washout by the settling of fusion products from the subcloud level of the atmosphere] (*with* **Malakhov, S. G.**) [and Eng. transl.], 19.11-256

Busby, M. W., *see* **Furness, L. W.,** 19.1-590

Busby, Roswell F.

Undersea penetration by ambient light, and visibility, 19.3-635

Busch, N. E.

Note on the Monin-Obukhov similarity hypothesis for fully horizontal flow with a negligible horizontal mean pressure gradient and a steady parallel mean flow, 19.9-25

Buschner, Werner

TIROS-Aufnahmen und Frontenanalyse [TIROS photographs and frontal analysis], 19.6-280

Bushnell, Robert H.

[Comments on] R. L. Charnell: Long-wave radiation near the Hawaiian Islands, 19.2-92

Flight tests of the NCAR thunderstorm dropsonde (*with* **Glover, V. M.**), 19.12-212

Bushuev, A. V.

Rezul'taty ekspeditsionnykh issledovanii dreifa i dinamiki ledianogo pokrova Arkticheskogo basseina vesnoi 1961 g [Results of expeditionary investigations of drift and dynamics of the ice cover of the Arctic Basin during spring 1961] (*with others*), 19.1-575

Tochnost' avianabliudenii i kartirovaniia morskikh l'dov [Accuracy of air observations and mapping of sea ice] (*with* **Loshchilov, V. S.**), 19.1-576

Businger, J. A.

On the direct determination of the turbulent heat flux near the ground (*with others*), 19.3-226

Buslavskii, V. G.

O raspredelenii temperatur v solnechnom piatne [Temperature distribution in a sunspot], 19.9-704

Busurina, V. M., *see* **Shuliakovskii, L. G.,** 19.10-775

Butchbaker, Allen F.

Evaluation of a hail suppression program in southwestern North Dakota, 19.11-230

Butcher, P. N.

Transferred electron oscillators (*with* **Hilsum, C.**), 19.9-31

Butcher, William S., *see* **Hall, W. A.,** 19.11-795

Butoi, Speranta, *see* **Diaconescu, I. Gh.,** 19.11-285

Butorin, N. V.

Skorostnoi rezhim nizhnego b'efa pri postoiannykh raskhodakh Rybinskoi GES [Velocity regime of the lower reach during constant discharges of the Rybinsk Power Plant] (*with* **Kurdin, V. P.** and **Tachalov, S. N.**), 19.6-776

Buttenberg, Manfred

Zu einigen Fragen der allgemeinen Zirkulation der Atmosphaere ueber dem Suedpolargebiet 1962 [A few problems of the general atmospheric circulation above the South Pole region, 1963] (*with* **Nitzschke, P.**), 19.5-191

Buttuls, P. I., *see* **List, R.,** 19.10-451

Butylin, G. V.

K usovershenstvovaniiu metoda opredeleniia mutnosti po vysote sloia osadka nanosov v trubke [Improvement of the method of determining turbidity from the height of a layer of alluvium sediment in a tube], 19.5-758

Butzer, K. W.

Deserts in the past (*with* **Twidale, C. R.**), 19.11-481

Buzuev, A. Ia.

Ispol'zovanie strukturnykh funktsii dlia opredeleniia prostranstvennoi izmenchivosti tolshchiny l'da [Use of structural functions for determining spatial variability of ice thickness], 19.5-713

Vybor optimal'nykh variantov plavaniia sudov v usloviiakh Arktiki [Selection of the best alternative plan for ship navigation under Arctic conditions] (*with* **Nikolaev, Iu. V.**), 19.10-173

Bychkov, N. F.

Rabota dvukhkoordinatnogo rascherchivaiushchego ustroistva v rezhime s ETSVM "Ural-2" [Operation of a two-coordinate tracing device in the system of the "Ural-2" electronic computer] (*with* **Ivanov, V. D.**), 19.10-157

Vvod informatsii s perfokart s graficheskimi otmetkami v ETSVM [Introducing information from punch cards with graphical notations into electronic computers] (*with* **Ivanov, V. D.**), 19.10-455

Bye, John A. T.

Numerical solutions of the steady-state vorticity equation in rectangular basins, 19.4-651

Bykov, Iu. V.

Proverka sootnoshenii dlia otsenki pogreshnosti v fazovykh izmereniiakh [Correction of relations for estimating an error in phase measurements] (*with* **Mirkotan, S. F.**) [and Eng. transl.], 19.2-343

Bykov, V. D.

Mnogoletnie kolebaniia stoka i veroiatnostnye metody ego rascheta [Long period variation of runoff and the stochastic methods of its estimation] (*with* **Kalinin, G. P.**) (*eds.*), 19.1-16

Bykova, V. S., *see* **Rozanov, A. G.,** 19.7-740

Byrd, J. Floyd

Odor and its measurement (*with* **Phelps, A. H., Jr.**), 19.11-259

Byrne, G. F.

Sensor for water flux in soil: "Point Source" instrument (*with* **Drummond, J. E.** and **Rose, C. W.**), 19.3-91

Byrne, Robert J.

Aerodynamic roughness criteria in aeolian sand transport, 19.6-337

Byrnes, W. R., *see* **Rogerson, T. L.,** 19.7-423

Byron-Scott, Roland
Stratospheric general circulation experiment incorporating diabatic heating and ozone photochemistry, 19.5-195
Byshev, V. I.
O vremennoi izmenchivosti nekotorykh kharakteristik privodnogo sloia atmosfery [Temporal variations of some parameters of the near-water layer of the atmosphere] [and Eng. transl.], 19.7-316
Byson, J.
Correction for atmospheric refraction in surveying and alignment, 19.7-474
Byzova, N. L.
Turbulentnye kharakteristiki skorosti vetra i temperatury v pogranichnom sloe atmosfery [Characteristics of the wind velocity and temperature fluctuations in the atmospheric boundary layer] (*with* **Ivanov, V. N.** and **Morozov, S. A.**), 19.9-429

C

Cade, C. Maxwell
Other worlds than ours, 19.7-11
Cadez, M.
Ueber synoptische Probleme im suedostalpinen Raum [Synoptic problems in the southeastern Alpine region], 19.5-358
Cadle, Richard D.
Atmospheric chemistry, 19.4-176
Particles in the Antarctic atmosphere (*with others*), 19.2-130
Cagnetti, P.
Determinazione dello spettro della componente vericale del vento in localita Casaccia (*with* **Giudici, G.**), 19.9-465
Cahill, L. J.
Rocket results, 19.5-530
See also **Freeman, J. W., Jr.**, 19.3-505; **Sonnerup, B. U. O.**, 19.7-615
Cailleux, Andre
Actions du vent et du froid entre le Yukon et Anchorage, Alaska, 19.6-338
Cain, Dan L., *see* **Kliore, A.**, 19.12-596
Cain, Joseph C.
Geomagnetic secular variation 1900-1965 (*with* **Hendricks, S. J.**), 19.9-18
Main geomagnetic field, 19.4-504
Cairns, J. L.
Physical oceanography, 19.3-10
Thermocline strength fluctuations in coastal waters, 19.9-776
Cairns, R. B.
Studies of photoabsorption by atomic hydrogen, oxygen and nitrogen (*with* **Samson, J. A. R.**), 19.12-153
Calder, Kenneth L.
Concerning similarity analysis based on the use of governing equations and boundary conditions and Long's method of generalized dimensional analysis, 19.2-157
Criticism of Bernstein's new dimensional approach to the flux-gradient relationship near the ground, 19.4-286
Calder, Nigel
Ionosphere after IQSY: London meetings review findings, 19.7-498
Caldwell, Joseph Morton
Oceanographic factors in harbor development in South Vietnam (*with* **Watts, G. M.**), 19.5-612
Calfee, Robert F., *see* **Benedict, W. S.**, 19.6-359
California. Div. of Highways
Reduced visibility (fog) study, 19.9-14
Report on reduced visibility (fog) study, 19.8-422
California Institute of Technology. Jet Propulsion Lab.
Mariner-Mars 1964: final project report, 19.9-19
California. San Fernando Valley State College Foundation, Northridge, *see* **Court, A.**, 19.2-117
California. Univ., Davis. Agricultural Extension Service
Placer County agriculture: climates, soils, water production, 19.10-15
Calif. Univ., Los Angeles. Dept. of Met., *see* **Bonner, W. D.**, 19.5-107; **Chesebrough, G. F.**, 19.7-477; **Helvey, R. A.**, 19.7-345
California. Univ., San Diego. Institute of Marine Resources
Physical, chemical and biological data: Cruise TEMPO (TO-62-1), Aug. 1962, 19.3-614
Scripps Tuna Oceanography Research (STOR) Program Report for the half-year, July 1-Dec. 31, 1966, 19.2-514; . . . for the year July 1, 1966-June 30, 1967, 19.9-722
California. Univ. Scripps Institution of Oceanography, La Jolla
Physical and chemical data: Boreas Expedition, Jan. 27-April 1, 1966, 19.5-619
Progress report, July 1965-July 1966, 19.6-637
See also **Cox, C.**, 19.7-348
Calkin, Parker E.
Lake Vida, Victoria Valley, Antarctica (*with* **Bull, C.**), 19.4-737
Calvert, W.
Resonances in the ionosphere, 19.10-519
Calvesbert, Robert J.
Climatology of meteorological drought in Puerto Rico, 19.12-371
Camacho, Lucilla, *see* **Gall, R.**, 19.7-571
Cambray, R. S.
Radioactive fallout in air and rain: results to the middle of 1967 (*with others*), 19.6-237
See also **Peirson, D. H.**, 19.8-277
Cameron, J. F.
Survey of systems for concentration and low backgound counting of tritium in water, 19.11-719
Camp, P. R.
Conductivity changes produced in ice by optical irradiation 0.8 to 2.7 μ (*with* **Spears, D. L.**), 19.2-582
Campbell, F. P.
Ariel 3, Grossbritanniens erster Satellit [Ariel 3, Great Britain's first satellite], 19.3-79
Campbell, Francis J., *see* **Chamberlain, J. W.**, 19.1-135
Campbell, I. B.
Evidence of former sea levels near Cape Hallett,

Antarctica (*with* **Claridge, G. G. C.**), 19.6-653

- **Campbell, I. G.,** *see* **Jacchia, L. G.,** 19.10-186
- **Campbell, Malcolm J.**
  - Density of the lunar surface (*with* **Ulrichs, J.** and **Gold, T.**), 19.10-675
- **Campbell, Wallace H.**
  - Geomagnetic pulsations, 19.11-575
  - World maps of conjugate coordinates and L contours (*with* **Matsushita, S.**), 19.1-428
  - *See also* **Matsushita, S.,** 19.10-21
- **Canada. Committee on Oceanography**
  - Directory and project forecasts, 1968 [for] the Great Lakes and other large lakes, 19.8-761
  - Oceanographic directory and project forecasts, 1968 [for] Arctic-Atlantic-Pacific, 19.9-16
- **Canada. Forestry Branch**
  - Annual Report 1966/1967, 19.9-46
- **Canada. Meteorological Branch**
  - Aerial ice observing and reconnaissance, Baffin Bay, Davis Strait and Foxe Basin, 1961, 19.9-799
  - Aerial ice observing and reconnaissance. The Hudson Bay Route, 1959, 19.5-704
  - Ice summary and analysis, 1966, Eastern Canadian Seaboard, 19.11-747
- **Canada. National Advisory Committee on Research in the Geological Sciences**
  - National system for storage and retrieval of geological data in Canada, 19.4-23
- **Canada. Oceanographic Data Centre, Ottawa**
  - Baffin Bay 1962, Sept. 25-Oct. 24, 1962, 19.3-615
  - Gulf of St. Lawrence, Sept. 16-Oct. 16, 1965, 19.3-616
  - Ocean weather Station 'P', North Pacific Ocean, Sept. 17-Dec. 15, 1965, 19.2-516; . . . May 27-Aug. 10, 1966, 19.4-603; . . . Aug. 5-Oct. 31, 1966, 19.7-131
  - Stanwell-Fletcher Lake, Somerset Island, N.W.T., 1965-1966, 19.9-146
- **Canalas, R. A.**
  - Terrestrial abundance of noble gases (*with* **Alexander, E. C., Jr.** and **Manuel, O. K.**), 19.12-608
- **Caner, B.**
  - Geomagnetic depth sounding and upper mantle structure in the Cordillera region of western North America (*with* **Cannon, W. H.** and **Livingstone, C. E.**), 19.5-509
- **Canfield, Norman L.**
  - How normal is normal precipitation in the northeast? (*with* **Dethier, B. E.**), 19.11-451
  - *See also* **Dickerson, W. H.,** 19.11-83
- **Cannon, W. H.,** *see* **Caner, B.,** 19.5-509
- **Cano, M.**
  - Sulla circolazione delle correnti nel Golfo dell'-Asinara e nelle Bocche di Bonifacio (*with* **Stocchino, C.**), 19.9-779
- **Canon, Jose Raul,** *see* **Brandhorst, W.,** 19.8-732
- **Canon Amaro, Carlos**
  - Mexican national report on geomagnetism and aeronomy [to the International Union of Geodesy and Geophysics, Switzerland, Sept.-Oct. 1967], 19.11-524
- **Capart, G.**
  - Digital transponding oceanographic buoy, 19.1-514
- **Capello, Carlo F.**
  - Contributions de l'Institut Italien de Geographie Alpine a l'etude des neiges saisonnieres et des avalanches, 19.3-304
- **Caplenor, Donald**
  - Temperature control of germination of *Helenium amarum* seeds, 19.1-51
- **Caprio, Joseph M.**
  - Phenological patterns and their use as climatic indicators, 19.7-129
- **Caputo, Michele**
  - Gravity field of the earth from classical and modern methods, 19.4-6
- **Car, Martial**
  - Oceanographic cruise summary, dye dispersal study in Da Nang Bay, Republic of Vietnam, August 1967, 19.12-668
- **Carapiperis, L.,** *see* **Anastassiades, M.,** 19.2-60
- **Carbon, Duane**
  - Effects of line blanketing on the solar windows (*with* **Gingerich, O.** and **Kurucz, R.**), 19.9-712
- **Carder, A. C.**
  - Black Bellani-type atmometer as an instrument to estimate the evapotranspiration of crop plants, 19.11-152
- **Carey, Kevin L.**
  - Analytical approaches to computation of discharge of an ice-covered stream, 19.1-589
  - Observed configuration and computed roughness of the underside of river ice, St. Croix River, Wisconsin, 19.6-728
  - Underside of river ice, St. Croix River, Wisconsin, 19.1-577
- **Carlson, H. C.**
  - Ionospheric effects of photo-electrons from magnetically conjugate points and the study of these effects using observations of airglow at 6300 A, 19.3-377
  - Preliminary observation of 6300 A predawn enhancement at Arecibo, 19.2-410
  - Solar cycle variation of conjugate photoelectron flux onset timing deduced from 6300 A and T_e observations (*with* **Weill, G. M.**), 19.10-580
- **Carlson, Herbert**
  - Messungen der statistischen Verteilung der Auslenkung der Meeresoberflaeche im Seegang [Statistical distribution of sea surface deflection as measured in wave motion] (*with* **Richter, K.** and **Walden, H.**), 19.10-377
- **Carlson, Neil E.,** *see* **Lichfield, E. W.,** 19.1-78
- **Carlson, Toby N.**
  - Structure of a steady-state cold low, 19.3-186; 19.9-330
- **Carlstead, E. M.**
  - Tropical numerical weather prediction in Hawaii: a status report, 19.8-167
- **Carmichael, H.**
  - Cosmic rays: instruments, 19.8-552
  - Introduction of meteorological corrections into meson monitor data (*with* **Bercovitch, M.** and **Steljes, J. F.**), 19.5-444

Carnevale, Ralph F., *see* **Soberman, R. K.**, 19.8-474

Carnuth, W.
Zur Abhaengigkeit des Aerosolphartikelspektrums von meteorologischen Vorgaengen und Zustaenden [Dependence of the aerosol particle spectrum on meteorological processes and conditions], 19.8-223

Carothers, Henry P., *see* **Lockwood, M. G.**, 19.2-573

Carovillano, Robert L., *see* **Maguire, J. J.**, 19.11-585

Carpenter, D. L.
Alouette 1 and 2 observations of abrupt changes in whistler rate and of VLF noise variations at the plasmapause: a satellite-ground study (*with others*), 19.9-569
Ducted whistler-mode propagation in the magnetosphere: a half-gyrofrequency upper intensity cutoff and some associated wave growth phenomena, 19.10-505
Relations between the dawn minimum in the equatorial radius of the plasmapause and Dst, Kp, and local K at Byrd Station, 19.3-149

Carpenter, G. B.
VLF amplitude perturbations in the Antarctic due to the nuclear explosion of July 9, 1962 (*with others*), 19.4-545

Carpenter, Thomas H., *see* **Brier, G. W.**, 19.7-204

Carpenter, William J.
Temperature patterns in greenhouse heating (*with* **Bark, L. D.**), 19.2-51

Carr, John T., Jr.
Climate and physiography of Texas, 19.1-317
Control of weather modification activities [1967], 19.1-127
Hurricanes affecting the Texas Gulf Coast, 19.1-190

Carr, Thomas D., *see* **Gulkis, S.**, 19.3-566; **Smith, A. G.**, 19.3-547

Carrara, N.
Influence of meteoric dust on the VLF propagation (*with others*), 19.10-482

Carroll, J. C., *see* **Avery, O. E.**, 19.3-633

Carru, Henri
Caracteristiques des raies de plasma observees en France par sondage a diffusion de Thomson (*with* **Lejeune, G.**), 19.11-530
Resultats ionospheriques obtenus par diffusion de Thomson, 1966-1967 (*with others*), 19.10-520

Carson, Robe B.
[Comments on] Joanne Simpson et al: Study of a non-deepening tropical disturbance, 19.9-439

Carstens, John C., *see* **Kassner, J. L., Jr.**, 19.12-96

Carstensen, L. P., *see* **Wolff, P. M.**, 19.8-187

Carstoiu, John
Fundamental equations of electromagnetodynamics of fluids: various consequences, 19.12-544

Carte, A. E.
Hail prevention in Russia, 19.10-447

Carten, Andrew S., Jr., *see* **Morrissey, J. F.**, 19.1-83

Carter, C. J.
Oxygen absorption measurements in the lower atmosphere (*with* **Mitchell, R. L.** and **Reber, E. E.**), 19.9-256

Cartwright, D. E.
Unified analysis of tides and surges round north and east Britain, 19.12-683

Cartwright, Keros
Thermal prospecting for ground water, 19.7-819

Cary, John W.
Drying of soil: thermal regimes and ambient pressures, 19.3-266
Dynamics of soil water, Pt. 2, 19.7-854
Instrument for *in situ* measurements of soil moisture flow and suction, 19.8-133

Casamayor, P., *see* **Saporte, R.**, 19.9-182

Casciano, Donato L.
Mechanical bathythermographs, 19.2-539

Castelli, John P.
Correlation between sudden cosmic noise absorption and solar radio bursts observed at five microwave frequencies (*with* **Strauss, F. M.**), 19.7-652
Flux density measurements of radio bursts of proton-producing flares and nonproton flares (*with* **Aarons, J.** and **Michael, G. A.**), 19.2-482

Cataneo, R., *see* **Mueller, E. A.**, 19.5-76

Catchpoole, J. R.
Superimposed electric fields and the adiabatic invariants of motion, 19.7-481

Caton, W. M.
Absorption and emission in the 8-millimeter region of ozone in the upper atmosphere (*with* **Welch, W. J.** and **Silver, S.**), 19.5-222
Radio measurement of the atmospheric ozone transition of 101.7 GHz (*with others*), 19.10-210

Cecen, Kazim
Die Wasserfassung bei Gebirgsfluessen [Water intake from mountain rivers], 19.5-773

Cehak, Konrad
Die Auswirkung der Lage des Jetstream auf das Wetter am Alpenostrand [Effect of the jet stream location on weather the eastern edge of the Alps] (*with* **Pichler, H.**), 19.5-268
Beschreibung des Stromfeldes im Alpenbereich mittels Windmatrizen [Description of the stream field in the Alpine region by means of the wind matrix] (*with* **Pichler, H.**), 19.12-284
Zur Persistenz aerologischer Beobachtungen [Persistence in upper air observations], 19.6-313
See also **Koncek, M.**, 19.5-228; **Steinhauser, F.**, 19.3-245

Cena, Giuseppe
Recenti sviluppi dei sondaggi meteorologici da parte degli Stati Uniti d'America, 19.4-63

Cena, K., *see* **Gregorczuk, M.**, 19.2-216

Ceplecha, Zdenek
Photographic data on fireball of -17th magnitude from Jan. 16, 1966, 19.4-576
Spectroscopic analysis of iron meteoroid radiation, 19.3-578

Cerisier, Jean Claude, *see* **Storey, O.**, 19.9-658

- **Cermak, J. E.**
  - Tower shadow effect (*with* **Horn, J. D.**), 19.8-106
  - Vertical-velocity fluctuations in thermally stratified shear flows (*with* **Chuang, H.**), 19.6-320
  - *See also* **Chuang, H.**, 19.10-369
- **Cermak, Vladimir**
  - Correlation of heat flow values with the tectonic structure in Czechoslovakia, 19.12-735
- **Cerver, Manuel Puig,** *see* **Puig Cerver, Manuel**
- **Chabot, Paul,** *see* **LaViolette, P. E.**, 19.1-563
- **Chae, Yong S.**
  - Frequency dependence of dynamic moduli of, and damping in snow, 19.12-398
- **Chagnon, Stanley**
  - Hail patterns in Illinois and South Dakota (*with* **Schickedanz, P.** and **Danford, H.**), 19.10-453
- **Chaillou, A.,** *see* **Poggi, A.**, 19.6-147
- **Chalikov, D. V.,** *see* **Zilitinkevich, S. S.**, 19.11-390
- **Challinor, R. A.**
  - Apparent rotation of the upper atmosphere, 19.10-201
- **Chalmers, John Alan**
  - Atmospheric electricity, 19.6-17
  - *See also* **Jhawar, D. S.**, 19.2-332
- **Chaloupka, Pavel,** *see* **Dubinsky, J.**, 19.2-423
- **Chalysheva, N. I.**
  - Raschet prilivnykh techenii v pribrezhnoi polose [Computation of tidal currents in the near-shore zone of the sea] [and Eng. transl.], 19.12-749
- **Chamberlain, A. C.**
  - Cross-pollination between fields of sugar beet, 19.4-35
  - Radioactive aerosols and vapours, 19.6-235
- **Chamberlain, Joseph W.**
  - Rate of evaporation of a non-Maxwellian atmosphere (*with* **Campbell, F. J.**), 19.1-135
- **Chamberlain, Lloyd W.,** *see* **Manning, J. C.**, 19.9-461
- **Chambers, Leslie A.**
  - Classification and extent of air pollution problems, 19.8-224
- **Chambers, R. H.,** *see* **Roeder, R. C.**, 19.7-301
- **Chambers, Ruth E.**
  - Weather hazards and milk production, 19.7-62
- **Champ, Donald H.**
  - Determination of z_0 and d in micrometeorology, 19.1-263
- **Champion, K. S. W.**
  - Physical properties of the lower thermosphere, 19.8-247
  - *See also* **Faire, A. C.**, 19.8-217
- **Chan, B. C.**
  - Explosions due to pressurized spheres at the ocean surface (*with* **Holt, M.** and **Welsh, R. L.**), 19.12-691
- **Chand, Kishan,** *see* **Babington, S.**, 19.8-788
- **Chandler, T. J.**
  - Nighttime temperatures in relation to Leicester's urban form, 19.2-224
- **Chandra, S.**
  - Daily response of the upper F-region to changes in upper atmospheric temperature and geomagnetic activity (*with* **Krishnamurthy, B. V.**), 19.6-480
  - Response of the upper atmospheric temperature to changes in solar EUV radiation and geomagnetic activity (*with* **Krishnamurthy, B. V.**), 19.8-354
- **Chaney, Lucian W.**
  - Earth radiation measurements by interferometers from a high altitude balloon, 19.2-16
  - Fourier Transform Spectrometer: radiative measurements and temperature inversion (*with* **Drayson, S. R.** and **Young, C.**), 19.2-16
  - Fourier transform spectrometer for the measurement of atmospheric thermal radiation (*with* **Loh, L. T.** and **Surh, M. T.**), 19.2-16
- **Chang, Wen F.,** *see* **Morrow, B. W.**, 19.7-723
- **Changnon, Stanley A., Jr.**
  - Effect of natural rainfall variability in verification of rain modification experiments (*with* **Huff, F. A.**), 19.7-205
  - Effect of sampling density on areal extent of damaging hail, 19.11-472
  - Evaluation of data to verify hail modification efforts, 19.11-231
  - LaPorte weather anomaly: fact or fiction?, 19.5-307
  - Mesoscale study of corn-weather response on cash-grain farms (*with* **Neill, J. C.**), 19.3-38
  - *See also* **Mueller, E. A.**, 19.11-155; **Stout, G. E.**, 19.11-45
- **Changraney, T. G.**
  - Role of westerly waves in causing flood producing storms over northwest India (excluding Rajasthan and Gujarat) during southwest monsoon period, 19.7-842
  - *See also* **Char, O. N.**, 19.7-845
- **Chanin, Marie Lise,** *see* **Blamont, J. E.**, 19.9-672
- **Chanslor, J. W.**
  - Water density and its applications, 19.1-537
- **Chao, Yen Tseng**
  - Instrument for determining the spectra of the electric charge of cloud droplets (*with* **Shih, W. G.** and **Chen, S. M.**) [Transl. from Chinese], 19.6-156
- **Chapanov, Tsoncho,** *see* **Stanchev, K.**, 19.9-286
- **Chaplygin, E. I.**
  - K metodike dolgosrochnykh okeanograficheskikh prognozov: v poriadke postanovki voprosa [Methods of long range oceanographic forecasting: statement of the problem] (*with* **Ianes, A. V.**), 19.2-112
  - Perennial variations in the hydrological characteristics of the Atlantic current [Transl. from Russ.], 19.11-731
- **Chapman, Alan J.,** *see* **Perel, D. H.**, 19.5-554
- **Chapman, Clark R.**
  - Interpretation of the diameter-frequency relation for lunar craters photographed by Rangers VII, VIII and IX, 19.8-650
- **Chapman, E. G.,** *see* **Smith, F. M.**, 19.6-418
- **Chapman, L. J.**
  - Climates of Canada for agriculture (*with* **Brown, D. M.**), 19.12-43

Chapman, R. P.
Backscattering strengths of sea ice (*with* **Scott, H. D.**), 19.6-700

Chapman, Sydney
History of aurora and airglow, 19.3-23
Magnetic field and energy of an axisymmetric Van Allen belt (*with others*), 19.9-639
Perspective [of physics of geomagnetic phenomena], 19.10-39
Solar emissions and magnetic-auroral storms on the Earth, 19.4-546
See also **Akasofu, S. I.**, 19.2-391, 19.11-584; **Gupta, J. C.**, 19.9-635

Chapman, William B.
Tidal influences at the lunar crater Aristarchus, 19.6-599

Chappell, Charles F., *see* **Grant, L. O.**, 19.11-238

Charakhch'ian, A. N.
Ob izmereniiakh absoliutnoi intensivnosti pervichnoi i vtorichnoi komponent kosmicheskikh luchei v okolozemnom prostranstve [Measurements of absolute intensity of primary and secondary components of cosmic radiation in the space near the Earth] (*with* **Charakhch'ian, T. N.**) [and Eng. transl.], 19.8-553

Charakhch'ian, T. N., *see* **Charakhch'ian, A. N.**, 19.8-553

Charba, Jess P.
Relationship between the structure and movement of severe storms as revealed from mesonetwork data (*with* **Sasaki, Y.**), 19.10-261

Chardonnal, G.
Relativite de la notion de valeur moyenne: application aux vents moyens, 19.7-107

Charlier, Roger H.
Growth of oceanographic education in the United States, 19.5-615

Charlson, R. J., *see* **Buchan, W. E.**, 19.10-485

Charlton, R. B., *see* **List, R.**, 19.10-451

Charman, W. N.
Atmospheric electric field as a possible cause of radio pulses from extensive air showers, 19.1-352
Radio pulses from extensive air showers as a result of movement of slow electrons in the atmospheric electric field, 19.6-518

Charnell, Robert L.
Long-wave radiation near the Hawaiian Islands [Comments by R. H. Bushnell], 19.2-92
Trade wind zone oceanography pilot study, Pt. 2 (*with* **Au, D. W. K.** and **Seckel, G. R.**), 19.5-620

Charney, Jule G.
Global observation experiment, 19.3-123
Some remaining problems in numerical weather prediction, 19.7-168

Charnock, H.
Boundary layer in relation to large-scale motions of the atmosphere and ocean (*with* **Ellison, T. H.**), 19.8-244
[Comments on] A. B. Bernstein: An examination of three wind-profile hypotheses, 19.3-231
Interaction ocean-atmosphere: vues d'avenir, 19.10-749

Chase, L. M.
Spectral measurements of auroral-zone particles, 19.10-563

Chasnikov, I. Ia.
Use of δ electrons to determine the nature and energy of charged particles [Transl. from Russ.], 19.1-15

Chassany, J.
Contribution a l'etude de la radio-activite atmospherique, 19.10-229

Chatterjee, A. C., *see* **Maitra, B.**, 19.8-792

Chatterjee, K., *see* **Kulshrestha, S. M.**, 19.4-199; 19.6-231

Chaudhury, A. K.
On the meteorological conditions responsible for heavy rainfall in the Ajoy catchment areas, 19.7-416
See also **Padmanabhamurty, B.**, 19.7-293

Chavdarov, S. S.
Izmenenie diapazona poluprozrachnosti E_S po nabliudeniiam v Rostove-na-Donu [Change of the range of E_S-semitransparency according to observations in Rostov-on-Don] (*with* **Chernysheva, S. P.** and **Dudkina, V. P.**) [and Eng. transl.], 19.1-365
Ustanovka dlia izmereniia pogloshcheniia radiovoln v ionosfere na piati fiksirovannykh chastotakh [Device for measuring radiowave absorption in the ionosphere at 5 fixed frequencies] (*with* **Svechnikov, A. M.** and **Faer, Iu. N.**) [and Eng. transl.], 19.2-344
See also **Pozigun, V. L.**, 19.7-529

Chechkin, S. A.
Nekotorye sposoby kosvennoi otsenki promerzaniia neissledovannykh bolot [Some methods of indirect estimation of the freezing of unexplored swamps], 19.4-272

Cheek, C. H., *see* **Swinnerton, J. W.**, 19.12-704

Cheh, H. Y.
Mass transfer to spherical drops or bubbles at high Reynolds number (*with* **Tobias, C. W.**), 19.6-366

Chekirda, A. Z.
Ispol'zovanie sputnikovoi informatsii ob ukhodiashchem izluchenii v tseliakh opredeleniia zon vypadeniia osadkov. [Use of satellite information on outgoing radiation to determine precipitation zones] (*with* **Iakovleva, T. A.**), 19.3-59

Chekushkina, T. A.
Skhema rascheta raskhodov polovod'ia pri nalichii v basseine vodokhranilishcha [A scheme of computing highwater discharges in the presence of a reservoir in the basin], 19.9-833

Chelchowski, W.
Summarnaia i rasseiannaia radiatsiia v Mirnom pri nekotorykh formakh oblachnosti (osen' i vesna 1965 g) [Total and scattered radiation at Mirny during certain cloud types (autumn and spring of 1965)] [and Eng. transl.], 19.3-204

Chemerenko, E. P.
Avtomaticheskaia obrabotka operativnoi gidrologicheskoi informatsii [Automatic analysis of operational hydrological information], 19.9-808

Chen, A. Anthony, *see* **Bettinger, R. T.,** 19.7-164

Chen, C. P.
Electromagnetic wave interactions with a moving ionizing shock (*with* **Hughes, W. F.**), 19.5-516

Chen, Shi Ming, *see* **Chao, Y. T.,** 19.6-156

Chen, Yu Lui
Recent development of statistical weather prediction, 19.11-181

Cheng, Pang Chihe
Study of heavy rainfall in Ilan District on Sept. 13, 1966, 19.6-404

Chepovskaia, O. I., *see* **Abshaev, M. T.,** 19.4-363

Cheredilov, B. F.
Gradientnaia sostavliaiushchaia vetrovogo techeniia v Chernom more [Gradient component of wind-driven currents in the Black Sea], 19.11-415
O rasprostranenii primesi v sluchae vozniknoveniia v strue techenii istochnika zagriazneniia mgnovennogo deistviia [The spread of an admixture when a pollution source of instananeous action forms in the stream of a current], 19.11-728
Sezonnye dinamicheskie karty poverkhnosti Chernogo moria [Seasonal dynamic charts of the surface of the Black Sea], 19.10-724

Cherevko, T. N., *see* **Tiurmina, L. O.,** 19.7-583

Cherkasov, I. I.
Opredelenie plotnosti i mekhanicheskoi prochnosti poverkhnostnogo sloia lunnogo grunta v meste posadki avtomaticheskoi lunnoi stantsii "Luna-13" [Determination of density and mechanical strength of the surface layer of lunar soil on the landing site of the automatic lunar station "Luna-13"] (*with others*) [and Eng. transl.], 19.4-574

Cherkasov, P. A.
Seismicheskoe zondirovanie lednikov basseina r. Aganakty Tentekskoi v khrebte Dzhungarskii Alatau [Seismic sounding of the Aganakty-Tentekskaya River Basin Glaciers in the Dzhungar Alatau Range], 19.6-717
Sovremennoe oledenenie basseina reki vtoroi Tentek v khrebte Dzhungarskii Alatau [Recent glaciation of the second Tentek river basin in the Dzhungar Alatau Range] (*with* **Erasov, N. V.**), 19.6-714

Cherkesov, L. V.
K zadache tsunami v neodnorodnom more [Tsunami problem in a nonhomogeneous sea] [and Eng. transl.], 19.5-697
Zadacha tsunami s uchetom viazkosti zhidkosti [The tsunami problem for viscous fluid] [and Eng. transl.], 19.4-695

Chernaia, T. M.
O vnutrigodovom raspredelenii podzemnogo stoka v reki [Intraannual distribution of subsurface runoff into rivers], 19.2-604

Cherniaeva, F. A.
Morfometricheskaia kharakteristika Ladozhskogo ozera [Morphometric characteristic of Lake Ladoga], 19.8-767

Cherniak, M. M., *see* **Shifrin, K. S.,** 19.1-308, 309

Cherniakova, A. M., *see* **Sapozhnikov, V. V.,** 19.1-551

Cherniakova, A. P.
Rezhim osadkov na poberezh'e Chernogo moria pri razlichnykh tipakh sinopticheskikh protsessov [The precipitation regime on the coast of the Black Sea during different types of synoptic processes], 19.10-418

Cherniavskaia, V. E.
Vremia dobeganiia vody v basseine Dunaia i vliianie vodnosti pritokov na urovni v nizhnem techenii reki [Time of concentration in the Danube Basin and the effect of flow of tributaries on stages in the lower reaches of the River], 19.6-770

Chernigovskii, N. T.
Radiation regime of the Central Arctic Basin, 19.12-223

Chernin, K. E., *see* **Ivanov, V. V.,** 19.12-795

Chernov, Iu. A.
Nekotorye voprosy rasshifrovki ostsillogramm vozvratno-naklonnogo zondirovaniia [Some problems of deciphering oscillograms of reflexive inclined sounding] [and Eng. transl.], 19.8-500

Chernukhin, M. Sh., *see* **Nikolaev, Iu. V.,** 19.10-168

Chernykh, N. S.
O tipe khvosta komety Ikeia-Seki [On the tail type of the comet Ikeya-Seki], 19.12-611

Chernyshev, G. A.
Navigatsionnoe primenenie kart absoliutnoi baricheskoi topografii [Navigational use of pressure surface charts], 19.9-84

Chernysheva, L. S.
K voprosu o vliianii prodolzhitel'nosti osveshcheniia na skorost' razvitiia dal'nevostochnykh sortov risa [Effect of illumination duration on the rate of development of Far Eastern rice varieties], 19.8-57
Teploobespechennost' vozdelyvaniia risa v Primorskom krae [Heat supplies for rice culture in the Maritime Province], 19.8-58

Chernysheva, S. P.
Izmenenie dlitel'nosti nepreryvnykh otrazhenii ot E_S [Change of duration of continuous reflections from E_S] [and Eng. transl.], 19.2-345
O raschete ionizatsii nochnoi oblasti F v prisutstvii E_S [Calculation of ionization of nighttime F-region in the presence of E_S] (*with* **Ryss, I. K.** and **Dudkina, V. P.**) [and Eng. transl.], 19.5-398
Raschet koeffitsienta ustoichivosti [Calculation of the stability coefficient] (*with* **Potetiunko, G. N.**) [and Eng. transl.], 19.1-366
See also **Chavdarov, S. S.,** 19.1-365

Chesebrough, Gerald F.
Gain compensated photopolarimeter for airborne measurements of skylight polarization (*with* **Dibble, D. F.** and **Nagaraja Rao, C. R.**), 19.7-477

Chetverikov, I. A., *see* **Konstantinova, V. G.,** 19.4-563; **Sviridova, M. A.,** 19.4-143; **Tolstikov, E. E.,** 19.4-61

Cheyney, Howard, *see* **Hansen, J. E.,** 19.12-593

Chhabra, B. M., *see* **Raman, P. K.,** 19.7-418

Chi, Ke Hsun
- Test of Harding's Typhoon Forecasters' Guide for forecasting typhoon recurvature in 1966, 19.7-182

Chicago. Univ. Dept. of the Geophysical Sciences, *see* **McGoldrick, L. F.,** 19.12-169; **Platzman, G. W.,** 19.9-456

Chigirinskaia, K. P.
- Rol' sinopticheskikh protsessov v formirovanii vesennego polovod'ia na rekakh Mariiskoi nizmennosti [Role of synoptic processes in the formation of spring flood on rivers of the Mari Lowland], 19.6-771

Chigirinskii, P. F.
- Stochnoe techenie v Kuibyshevskoe vodokhranilishche po dannym s"emok 1963 i 1964 gg [Runoff current in the Kuibyshev Reservoir based on data from 1963-1964 surveys], 19.6-777

Chigrai, D. T.
- O nabliudeniiakh za temperaturoi vozdukha v uproshchennykh budkakh [Air temperature observations in simplified instrument shelters], 19.4-104
- Ob issledovanii vetrovogo polia na ploshchadkakh meteostantsii Verkhne-Volzhskogo UGMS [Investigation of the wind field on platforms of meteorological stations of the upper Volga office of the Hydrometeorological Service], 19.4-59
- Ob utochnenii metodiki po ustraneniiu neodnorodnosti riadov dozhdemernykh i osadkomernykh nabliudenii [Improvement of a method of eliminating inhomogeneity in series of rain gage and precipitation gage observations], 19.4-109

Childs, E. C.
- Soil moisture theory, 19.9-867

Chimonas, G.
- Vertical movement of temperate-zone sporadic-E layers (*with* **Axford, W. I.**), 19.4-411
- *See also* **Martelli, G.,** 19.1-67

Chin, Edward
- Cruise Report, Research Vessel ANTON BRUUN, Cruise 16, 19.2-525

Chin, F. K.
- Barometric effect for the cosmic ray photon component deep in the atmosphere (*with* **Standil, S.**), 19.6-519
- Solar diurnal variation of the cosmic ray photon component deep in the atmosphere (*with* **Standil, S.**), 19.6-520

Ching, Barbara K., *see* **Thomas, G. E.,** 19.8-260

Ching, Jason, *see* **Kraus, E. B.,** 19.5-625

Chirakadze, G. I.
- Klimat Tbilisi v novykh granitsakh [Climate within the new boundaries of Tiflis], 19.10-471

Chiriac, Vasile
- Hydrometeorological activities in Romania, 19.9-58
- Protectia apelor Marii Negre, in zona litoralului romanesc [Black Sea water protection in the Rumanian littoral], 19.8-723

Chirkov, Iu. I.
- Razvitie metodov agrometeorologicheskikh prognozov po kul'ture kukuruzy [Development of methods of agrometeorological forecasting of maize crops], 19.4-160

Chirkov, N. P.
- Ionization-burst variations [Transl. from Russ.], 19.1-15
- Raspredelenie kosmicheskikh luchei i priemnye vektory detektorov, III [Cosmic ray distribution and receiving vectors of detectors, Pt. 3] (*with others*) [and Eng. transl.], 19.2-422
- Rhythmic trends in the secular variations of cosmic-ray intensity [Transl. from Russ.], 19.1-15
- Unusual phenomena related to the cosmic-ray variations in Dec. 1957 (*with others*) [Transl. from Russ.], 19.1-15

Chirkov, V. P.
- Ob odnom metode analiza plazmy [One method of plasma analysis] [and Eng. transl.], 19.2-455

Chisholm, Donald A.
- Diagnosis of upper-level humidity (*with others*), 19.12-317

Chistiakov, A. D., *see* **Uspenskii, B. D.,** 19.5-142

Chistiakova, E. A.
- Issledovaniia perekhodov temperatury vozdukha cherez 0° v Vostochnoi Sibiri i na Dal'nem Vostoke [Investigation of the temperature transitions through 0° in East Siberia and the Far East], 19.4-149

Chitadze, V. S.
- Analiticheskii metod prognozirovaniia snezhnykh lavin [Analytical method for forecasting snow avalanches], 19.10-445
- Lavinnaia opasnost' Ingurskogo ushchel'ia [Avalanche danger in the Ingur gorge] (*with* **Zalikhanov, M. Ch.**), 19.10-442
- Mery protivolavinnoi zashchity inzhenernykh sooruzhenii na sklone Chegetskogo khrebta [Measures for avalanche protection of engineering structures on the slopes of the Cheget mountain range], 19.11-469

Chitre, S. M.
- Model of the sunspot umbra (*with* **Shaviv, G.**), 19.4-588
- *See also* **Kundu, M. R.,** 19.11-624

Chiu, Hong Yee
- Atmosphere of the Sun and other stars, 19.8-672

Chizhevskaia, M. P., *see* **Gavrilova, L. D.,** 19.4-333

Chizhov, A. N., *see* **Karasev, I. F.,** 19.3-680

Chleck, David
- Aluminum oxide hygrometer: laboratory performance and flight results [Comments by J. F. Morrissey and F. J. Brousaides], 19.1-109

Chmela, Albert C., *see* **Wexler, R.,** 19.5-78

Chnukov, V. I., *see* **Aleksaniants, S. M.,** 19.5-39

Chojnowski, Stefan
- Uwagi o zmianach temperatury wody jexiornej [Remarks on temperature variations in lake water], 19.6-741

Chollet, R.
- Contribution a l'analyse de la pollution atmospherique: Etudes realisees a Lausanne (*with* **Jaccard, G.** and **Pilet, P. E.**), 19.6-200

Chomicz, Kazimierz
Avalanches dans les montagnes de Tatra: methodes de mesures, 19.5-330
Essai d'une classification des avalanches, 19.4-358
Chopra, S. D.
Long term precipitation-runoff relation as the basis for forecasting seasonal water supply for Yamuna (*with* **Rao, M. R.**), 19.8-185
See also **Shenoy, R. C.**, 19.6-409
Chou, Ken Chuan
Wind in Taiwan and the evaluation of its utilization, 19.4-46
Chow, Chi F., *see* **Vukovich, F. M.**, 19.11-487
Chow, Ven Te
Centre of Applied Hydrology in Brazil, 19.12-30
Laboratory study of watershed hydrology: a contribution to the International Hydrological Decade, 19.4-334
Progress of hydrology, 19.9-809
See also **Advances in Hydroscience, Vol. 4**, 19.9-34; **Harbaugh, T. E.**, 19.4-337
Chowdhuri, P.
Voltage surges induced on overhead lines by lightning strokes (*with* **Gross, E. T. B.**), 19.6-468
Chowdhury, N.
Note on geomagnetic activity and sporadic E (*with* **Guha, D.**), 19.2-346
Chown, Robert G., *see* **Russell, T. L.**, 19.5-635
Chrest, Stanley A., *see* **Soberman, R. K.**, 19.8-474
Christensen, Elmer M.
Surveyor V: lunar surface mechanical properties (*with others*), 19.3-551
Christian, Sherril D.
Solute properties of water (*with others*), 19.9-17
Christie, A. D.
Study of noctilucent cloud observations made at Canadian stations during the IQSY, 19.8-469
Christophe, Jeanine (Glaume), *see* **Weill, G.**, 19.7-563
Chu, Yun T'i
Three-level nonlinear prediction model in spherical coordinates [Transl. from Chinese], 19.1-116
Chuang, H.
Similarity of thermally stratified shear flows in the laboratory and atmosphere (*with* **Cermak, J. E.**), 19.10-369
See also **Cermak, J. E.**, 19.6-320
Chubarina, E. V., *see* **Imianitov, I. M.**, 19.2-5
Chuchkalova, N. N., *see* **Vasil'ev, A. A.**, 19.11-82
Chudakov, V. M., *see* **Azimov, S. A.**, 19.3-420
Chudnovskii, A. F.
Integrating device for the determination of totals and averages of some meteorological elements (*with* **Mogilevskii, B. M.**) [Transl. from Russ.], 19.7-91
Chugreev, O. S., *see* **Fedotova, L. V.**, 19.11-160
Chuikin, E. I.
Issledovanie zhestkogo gamma-izlucheniia v atmosfere [Investigation of hard gamma-radiation in the atmosphere] (*with* **Romanov, A. M.** and **Lenin, A. S.**) [and Eng. transl.], 19.4-480
Vertikal'naia intensivnost' zhestkogo gamma-izlucheniia na urovne moria [Vertical intensity of hard gamma-radiation at sea level] (*with* **Romanov, A. M.** and **Lenin, A. S.**) [and Eng. transl.], 19.5-445
Chupp, E. L.
Limit on the continuous solar flux of the 2.22-MeV neutron-proton capture gamma ray (*with* **Lavakare, P. J.** and **Sarkady, A. A.**), 19.8-554
Church, Hugh W.
Symposium on the theory and measurement of atmospheric turbulence and diffusion in the planetary boundary layer, 19.9-437
Churgin, James, *see* **Molo, W. L.**, 19.3-19; **Weiss, M.**, 19.6-53
Chuzavkova, N. A.
O vozmozhnosti rascheta polia vlazhnosti po raspredeleniiu oblachnosti [Possibility of calculating the humidity field from the distribution of cloud cover], 19.4-74
Chytil, Bohumil
Polarization reception of radio wave scintillations, 19.1-367
Cieplinski, Jan
Wplyw mgly na zawartosc Rn-222 w dolnych warstwach troposfery [Influence of fog on Rn-222 content in the lower layers of the troposphere] (*with* **Pawlak, M.**), 19.1-162
Cimino, M.
Solar physics at the Astronomical Observatory of Rome, 19.6-609
Cimpa, Franz
Eine Tafel zur Bemessung von Hochwasserrueckhaltebecken fuer grosse Bewirtschaftungsdauer und kleine Einzugsgebiete [A table for dimensioning flood control reservoirs for long time operations and small catchments], 19.7-843
Ciocoiu, I., *see* **Andritoiu, N.**, 19.12-221
Ciriani, T. A.
Previsione delle altezze di marea e della velocita della corrente di marea mediante l'impiego del calcolatore elettronico IBM-7094 (*with* **Stocchino, C.**), 19.9-228
Cita, Maria Bianca
Climatic fluctuations in submarine cores from the Adriatic Sea (Mediterranean) (*with* **D'Onofrio, S.**), 19.6-437
Clapp, Philip F.
Specification of monthly frequency of snow cover based on macroscale parameters, 19.3-306
Claridge, G. G. C., *see* **Campbell, I. B.**, 19.6-653
Clark, Alfred, Jr.
Magnetic-field accumulation in supergranules (*with* **Johnson, H. K.**), 19.7-687
Clark, G. W.
Sky survey of high-energy cosmic X-rays and spectra of the sources in the crab nebula and cygnus (*with* **Lewin, W. H. G.** and **Smith, W. B.**), 19.6-580
Clark, H. L.
Some problems associated with airborne radiometry of the sea, 19.8-733

Clark, J. A.
Return to hard winters, 19.10-465
Clark, J. G.
Recent results from the Straits-of-Florida underwater-sound-propagation study (*with* **Dann, R.** and **Yarnall, J. R.**), 19.5-644
Clark, James R., *see* **Danard, M. B.,** 19.8-372
Clark, R. H.
Canadian IHD Program (*with* **Fulton, J. F.**), 19.6-734
Clark, Robert D.
Drought of 1961-1967 and the New York City water supply system, 19.11-456
Clark, T. A., *see* **Mathews, D. L.,** 19.7-545
Clark, William E.
Concentration and size distribution measurements of atmospheric aerosols and a test of the theory of self-preserving size distributions (*with* **Whitby, K. T.**), 19.2-135
Clarke, John H.
Effective stack design in air pollution control, 19.8-225
Clarke, W. B., *see* **Craig, H.,** 19.5-652
Clarkson, B. L., *see* **Handa, K. N.,** 19.12-291
Clavelier, B.
Etude de l'activite solaire a 408 MHz, 19.4-569
Clay, C. S.
Microbarographs for measurements of atmospheric waves (*with* **Kraft, D. W.**), 19.7-145
Clemons, Elizabeth
Waves, tides, and currents, 19.2-24
Cline, Jack B.
Precise position fixing by acoustic means, 19.12-679
Cline, T. L.
High-energy X-rays from the solar flare of July 7, 1966 (*with* **Holt, S. S.** and **Hones, E. W., Jr.**), 19.5-593
Clodman, J.
Malton Mesometeorological Project (*with* **Overs, J. E.**), 19.1-323
See also **Etkin, B.,** 19.1-48
Cloud, Preston E., Jr.
Atmospheric and hydrospheric evolution on the primitive Earth, 19.11-383
Carbonate precipitation and dissolution in the marine environment, 19.3-641
Cloutier, P. A.
Vector measurement of the midlatitude Sq ionospheric current system (*with* **Haymes, R. C.**), 19.9-576
Cobb, G. F., *see* **Roberts, C. F.,** 19.7-188
Cobb, William E.
Atmospheric electric climate at Mauna Loa Observatory, 19.9-566
Evidence of a solar influence on the atmospheric electric elements at Mauna Loa Observatory, 19.5-378
Ion losses in the Gerdien condenser intake system, 19.9-204
Note on mountain-top measurements of atmospheric electricity in northwestern United States (*with* **Phillips, B. B.** and **Allee, Paul A.**), 19.5-376
Cocheme, Jacques
Agroclimatology of the Sudano-Sahelian zone, 19.6-68
Agroclimatology survey of a semiarid area in Africa south of the Sahara (*with* **Franquin, P.**), 19.8-13
Cocho Gil, F.
Espectro quantico de la turbulencia isotropica, 19.7-271
Cochran, William G., *see* **Snedecor, G. W.,** 19.8-4
Cochrane, James A.
Revised upper-air wind data for Wallops Island based on serially completed data for the years 1956-1964 (*with* **Henry, R. M.** and **Weaver, W. L.**), 19.10-389
Wind data from the 250-foot (76.2-meter) tower at Wallops Island, Virginia (*with* **Henry, R. M.**), 19.9-430
Cochrun, Basil L.
Considerations of expected auroral intensities, 19.7-546
Cocke, W. J.
On the solar differential rotation and meridional currents, 19.5-589
Codispoti, Louis A.
Oceanographic cruise summary, Baffin Bay-Davis Strait-Labrador Sea, summer 1967 (*with* **Kravitz, J. H.**), 19.12-669
Coe, E. L., Jr.
State of the art report on industrial precipitator control equipment (*with others*), 19.2-136
Cohen, Ariel, *see* **Doron, E.,** 19.6-356
Cohen, Obadiah P., *see* **Blanc, M. L.,** 19.2-611
Cohen, Robert
Equatorial ionosphere, 19.10-521
See also **Hanson, W. B.,** 19.7-509
Cohen, Steven H.
Use of isogon-isotach charts for determining divergence, relative vorticity and vertical velocity (*with* **Stinson, J. R.**), 19.9-216
Cohen, Sydney M.
Investigation of low visibility during January and February at Suffolk County Air Force Base, 19.10-483
Colavito, C.
Influence of wave-front coherence on the radiation parameters of large-size antennas, 19.8-76
Colburn, D. S.
Diamagnetic solar-wind cavity discovered behind Moon (*with others*), 19.3-553
See also **Sonett, C. P.,** 19.3-554; 19.4-544
Colder, E.
Monin-Obukhov relations for the vertical gradients of mean velocity and temperature in the surface layer of the atmosphere, 19.9-25
Cole, A. F. W., *see* **Munn, R. E.,** 19.4-290
Cole, J. A., *see* **Schweig, Z.,** 19.12-805
Cole, K. D.
On the Dst main phase and certain associated phenomena, 19.11-583
Particle heating effects on the upper F-region, 19.11-531
Cole, N. H. Ayodele
Ecology of a moist semi-deciduous forest on Kogia Hill in Sierra Leone, 19.8-65

Cole, T.
Electro-optic instantaneous spectrograph, 19.9-31
Coleman, Paul J., Jr.
On the excitation of the magnetosphere by the solar wind, 19.4-539
See also **Winge, C. R., Jr.,** 19.4-536
Coles, D.
Digital experiment in spiral turbulence (*with* **Van Atta, C. W.**), 19.10-323
Coles, K. Adlard
Heavy weather sailing, 19.12-6
Colgate, Stirling A.
Detection of high-energy cosmic-ray showers by the combined optical and electromagnetic pulse, 19.1-414
Colin, Lawrence
Charged-particle temperatures and concentrations in the Earth's exosphere (*with* **Dufour, S. W.**), 19.9-288
Colinvaux, Paul A.
Long pollen record from St. Lawrence Island, Bering Sea (Alaska), 19.6-438
Collingbourne, R. H.
General principles of radiation meteorology, 19.2-191
Collinge, V. K.
Spatial distribution of storm rainfall (*with* **Jamieson, D. G.**), 19.7-183
Collins, B. G.
Modified Campbell-Stokes sunshine recorder, 19.5-125
Collins, Curtis A.
Compilation of observations from moored current meters and thermographs, Vol. 1 (*with* **Creech, H. C. and Pattullo, J. G.**), 19.4-602
Collins, Richard
Intense explosions at the ocean surface (*with* **Holt, M.**), 19.12-692
Collins, William G., *see* **Bedient, H. A.,** 19.5-143; **Vanderman, L. W.,** 19.5-146
Collinson, D. W., *see* **NATO Advanced Study Institute, Newcastle-upon-Tyne, April 1964,** 19.6-29
Collis, R. T. H.
Lidar, 19.8-89
Lidar: a new atmospheric probe [Comment by S. D. Smith et al.], 19.4-60
Lidar observations of Sierra-wave conditions (*with* **Fernald, F. G. and Alder, J. E.**), 19.7-358
Collison, P., *see* **Ratcliffe, R. A. S.,** 19.1-119
Colloque Franco-Belge sur les Problemes Meteorologiques de la Stratosphere et de la Mesosphere, Paris, March 1965
Problemes meteorologiques de la stratosphere et de la mesosphere, 19.8-19
Colombo, Giuseppe, *see* **Shapiro, I. I.,** 19.1-148
Colon, Jose A.
Some aspects of Hurricane "Carla," 1961, 19.9-335
Colorado. State Univ., Ft. Collins
Challenge of the atmosphere: atmospheric science at Colorado State University, 19.8-45
See also **Hsi, G.,** 19.10-354
Colorado. State Univ., Ft. Collins. Dept. of Atmospheric Sciences, *see* **Orgill, M. M.,** 19.1-299; **Riehl, H.,** 19.1-261
Colorado. State Univ., Ft. Collins. Dept. of Civil Engineering, *see* **Kung, R. J.,** 19.7-147
Colquhoun, J. R.
Analysis of two occurrences of lee waves, 19.6-355
Clear air turbulence analysis over the South Pacific region for a five-day period in Dec. 1964 (*with* **Bourke, V. L.**), 19.8-380
Coltharp, George B., *see* **Gary, H. L.,** 19.6-411
Columbia Univ. Lamont Geological Observatory, Palisades, N. Y., *see* **Heirtzler, J. R.,** 19.12-532
Colwell, Robert N.
Agricultural and forestry uses of thermal infrared data obtained by remote sensing, 19.10-298
Remote sensing of natural resources, 19.8-108
Comitato Glaciologico Italiano, Turin
Relazioni della campagna per lo studio del manto nevoso, inverno 1962-63, 19.2-295
Compania de Luz y Fuerza del Centro, S. A.
17 anos de operaciones de estimulacion de lluvias en las cuencas de Necaxa (Pue.) y Lerma (Mex.): informe anual, 1967, 19.10-182
Comstock, C., *see* **Stevenson, T. E.,** 19.4-535
Conchie, P. J., *see* **Brunt, P.,** 19.6-133
Conference on Drought in the Northeastern United States, Sterling Forest, N. Y., May 1967
Proceedings, 19.11-33
Conference on Great Lakes Research, 9th, Chicago, March, 1966
Proceedings, 19.6-740
Conference on M. F., L. F., and V. L. F. Radio Propagation, London, Nov. 1967
Papers, 19.11-39
Conference on Sonic Boom Research, 1st, Wash., D. C., April 1967
Proceedings, 19.12-17
Conference on the Structure of the Quiet Photosphere, Arnhem, Holland, April 1967
Structure of the quiet photosphere and the low chromosphere: Proceedings of the Bilderberg Symposium, 19.12-19
Conference on the Structure of the Quiet Photosphere, Bilderberg, Holland, April 1967
Proceedings, 19.9-33
Conklin, E. K.
Limits on small scale variations in the cosmic background radiation (*with* **Bracewell, R. N.**), 19.7-644
Conner, W. C., *see* **Goudeau, D. A.,** 19.7-289
Connors, Alonzo J., *see* **Swaim, R. L.,** 19.6-59
Connors, Donald N.
Density/conductivity anomaly for non-constancy of composition in seawater, 19.2-544
Partial equivalent conductances of salts in seawater and the density/conductance relationship (*with* **Weyl, P. K.**), 19.9-760
Conover, John H.
Anomalous cloud lines [Comments by S. Twomey, H. B. Howell and T. A. Wojciechowski], 19.9-487

- **Constantin, Trenia**
  - Regimul vintului in masivul Tarcu [Wind pattern around the Tarcu Massif] (*with* **Cristescu, S.**), 19.10-392
- **Conway, John G.**
  - Airborne spectrographic observations of the solar eclipse of Nov. 12, 1966 (*with* **Morris, W. F.** and **Andrews, C. F.**), 19.2-512
- **Conway, R. G.**
  - New determination of the position of Jupiter's magnetic axis (*with* **Kronberg, P. P.**), 19.9-690
- **Cook, A. B.**
  - Record of observations at Meanook Magnetic Observatory, 1964 (*with* **Brown, G. A.**), 19.5-508
- **Cook, A. H.**
  - Determination of direction, frequency and polarization of radio emission from galactic OH, 19.6-577
  - Determination of the Earth's gravitational field from satellite orbits: methods and results, 19.11-598
- **Cook, Ann K.**
  - Gray sky: ESSA's role in a national crisis, 19.3-138
- **Cook, G. E.**
  - Comparison of air densities obtained from orbital decay and instruments, 19.5-65
  - Contraction of satellite orbits under the influence of air drag, Pt. 6 (*with* **King-Hele, D. G.**), 19.7-632
  - Variations in exospheric density at heights near 1100 km, derived from satellite orbits (*with* **Scott, D. W.**), 19.4-173
  - *See also* **King-Hele, D. G.**, 19.11-600
- **Cook, Jack A.**
  - Balloon borne optical beacon: a useful geodetic system for purposes of densification (*with* **Tavenner, M. S.**), 19.5-92
- **Cook, R. Gordon**
  - Successful ice dusting at Fairbanks, Alaska, 1966 (*with* **Wade, M. D., Jr.**), 19.7-776
- **Cooke, B. A.**
  - Cosmic X-ray survey in the Southern Hemisphere (*with others*), 19.6-581
- **Cooke, D. J.**, *see* **Radhakrishnan, V.**, 19.11-627
- **Cooley, Jack R.**
  - Small-scale circulations associated with radiational cooling, 19.1-210
- **Cooley, P.**
  - Some considerations for the problems of space communications (*with* **Cutrona, L. J.**), 19.9-31
- **Coombe, D. E.**
  - Seasonal light climate and plant growth in a Cambridgeshire Wood, 19.2-190
- **Cooper, C. F.**, *see* **Smith, F. M.**, 19.6-418
- **Cooper, G. W.**
  - Hurricane damage to structure, 19.6-268
- **Cooper, Hilton H., Jr.**
  - Equation of groundwater flow in fixed and deforming coordinates, 19.3-710
- **Cooper, L. H. N.**
  - Stratification in the deep ocean, 19.4-657
- **Copeland, Jack**
  - On the two-layer model of the lunar surface, 19.6-593
- **Copeland, Judith A.**, *see* **Starr, V. P.**, 19.2-489
- **Corbet, Philip S.**
  - Further observations on diel periodicities of weather factors near the ground at Hazen Camp, Ellesmere Island, N.W.T., 19.2-309
  - Screen temperatures during the summers 1962-1966 at Hazen Camp, Ellesmere Island, N.W.T., 19.2-222
- **Corby, G. A.**
  - Extended time integrations using the equivalent barotropic model (*with* **Gilchrist, A.**), 19.3-171
  - Laplace's tidal equations: an application of solutions for negative depth, 19.1-462
- **Corbyn, P. R.**
  - Brine barometer and a true mean temperature thermometer, 19.3-87
  - Simple solar experiment, 19.7-635
- **Corcuff, Pierre**
  - Etude de sifflements subprotonospheriques recus exceptionnellement au sol a moyenne latitude, 19.12-460
  - *See also* **Corcuff, Y.**, 19.1-353
- **Corcuff, Yvonne**
  - Evolution de l'occurence des sifflements radio-electriques entre maximum et minimum d'activite solaire (*with* **Corcuff, P.** and **Tixier, M.**), 19.1-353
  - *See also* **Bouriot, M.**, 19.10-627
- **Cordes, Hans**
  - Ueber das Klima von Mexiko [Climate of Mexico], 19.9-531
- **Cordova, H. I.**
  - Erosion-corrosion of Haynes-25 alloy: radioactive tracer techniques (*with* **Kubose, D. A.**), 19.6-82
- **Corey, A. T.**
  - Comparative terminologies for water in the soil-plant-atmosphere system (*with* **Slatyer, R. O.** and **Kemper, W. D.**), 19.8-48
- **Corliss, William R.**
  - Scientific satellites, 19.8-5
- **Cormack, M. R.**, *see* **Jennings, D. L.**, 19.9-104
- **Cormier, Rene V.**
  - Meteorological satellite literature digest, 1967: developments in interpretations of cloud photographs (*with* **Downen, D. W.**), 19.11-30
  - Photographs from meteorological satellites: a collection of the Picture of the Month series from Monthly Weather Review, Jan. 1963-May 1967, 19.5-531
- **Corn, Morton**
  - Atmospheric particulates: specific surface areas and densities (*with* **Montgomery, T. L.** and **Reitz, R. J.**), 19.10-194
- **Cornell, Sidney**
  - Instruments open electronic eyes, ears to deep, 19.3-627
- **Cornell Aeronautical Lab., Inc., Buffalo, N. Y.**, *see* **Kocmond, W. C.**, 19.9-247
- **Cornellier, J. R.**
  - Ionospheric electron density during solar eclipse of July 20, 1963 (*with* **Pound, T. R.**), 19.8-501

Cornford, S. G.
  Sampling errors in measurements of particle size distributions, 19.5-131
  Sampling errors in measurements of raindrop and cloud droplet concentrations, 19.9-185
Coroniti, F. V.
  Studies of the magnetospheric substorm, Pt. 3 (*with* **McPherron, R. L.** and **Parks, G. K.**), 19.7-620
Coroniti, Samuel C.
  Antarctic geophysical research and data analysis (*with* **Penndorf, R. B.**), 19.4-412
Corrin, M. L.
  Preparation of "pure" silver iodide for nucleation studies (*with others*), 19.1-130
Corwin, E. F., *see* **Mottern, R. E.,** 19.4-94
Cory, H., *see* **Altman, C.,** 19.11-525
Cosentino, Orazio
  Sulla rappresentazione analitica di una superficie isobarica (*with* **Todaro, C.**), 19.1-240
Cott, A. W.
  Study of very strong winds at Torbay Airport (*with others*), 19.4-277
Cottman, B.
  Wet snow avalanche on a slope of 12 degrees, 19.3-338
Coulson, C. A.
  Interactions of H_2O molecules in ice, Pt. 1 (*with* **Eisenberg, D.**), 19.6-707
Coulson, K. L.
  Effect of surface reflection on the angular and spectral distribution of skylight, 19.12-240
Coulter, J. D.
  Mountain climate, 19.4-376
Counihan, J., *see* **Armitt, J.,** 19.7-337
Countryman, Kenneth A.
  Oceanographic cruise summary, Bering Sea (*with* **Bourkland, M. T.**), 19.12-75
  Oceanographic cruise summary, Denmark Strait, April-May 1965, 19.12-670
Court, Arnold
  Climatic classification and plant geography in 1842, 19.1-46
  Climatic normals as predictors, Pt. 1, 19.2-117
  Randomized cloud seeding in the United States, 19.7-194
Court, G. W. G.
  Automatic weather station timing systems, 19.4-117
Courtois, Guy, *see* **Beauchesne, P.,** 19.4-684
Courtright, Charles L., *see* **Hiser, H. W.,** 19.2-73
Covington, A. E.
  Development of solar microwave radio astronomy in Canada, 19.2-483
Cowdrey, C. F.
  Two topics of interest in experimental industrial aerodynamics, 19.12-287
Cowley, Ann D., *see* **Haurwitz, B.,** 19.10-320; 19.12-283
Cowley, F. C., *see* **Hargreaves, J. K.,** 19.3-406; 19.4-465
Cox, Allan
  Paleomagnetism, 19.5-472
  Polar wandering, continental drift, and the onset of Quaternary glaciation, 19.11-488
Cox, C. S.
  Internal waves, 19.4-698
Cox, Charles
  Relation of backscattered radiation to wind-stress at the sea surface, 19.7-348
Cox, James L.
  Climate of the Pecos area, 19.8-454
Cox, Lois M.
  Nature's unsung middlemen: bioclimatology, a practical science (*with* **Ashcroft, G. L.** and **Richardson, E. A.**), 19.6-42
  See also **Ashcroft, G. L.,** 19.11-506
Cox, Michael D., *see* **Bryan, K.,** 19.5-656
Cox, Stephen K.
  Radiosonde temperature-baseline inaccuracy (*with* **Maynard, J. A.** and **Suomi, V. E.**), 19.12-258
Craig, H.
  Dissolved gases in the equatorial and South Pacific Ocean (*with* **Weiss, R. F.** and **Clarke, W. B.**), 19.5-652
Craig, R.
  Study of the energy spectra of muons underground (*with others*), 19.11-553
Craig, Richard A.
  Edge of space: exploring the upper atmosphere, 19.6-39
Crain, Cullen M., *see* **Booker, H. G.,** 19.12-470
Cramer, H. E.
  Investigation of low level turbulent structure for various surface roughnesses and gross meteorological circulations (*with* **Record, F. A.** and **Tillman, J. E.**), 19.1-246
  Turbulent transfer processes for quasi-homogeneous flows within the atmospheric surface layer, 19.10-360
Crary, J. H.
  Size of ionospheric Fresnel Zones in long wave propagation (*with* **Crombie, D. D.**), 19.3-378
  VLF studies at Plateau Station, 19.4-48
Crawford, Norman H.
  Some observations on rainfall and runoff, 19.12-351
Craya, A.
  Turbulent swirling jet (*with* **Darrigol, M.**), 19.10-324
Crean, P. B.
  Physical oceanography of Dixon Entrance, British Columbia, 19.1-509
Creech, H. Clayton, *see* **Collins, C. A.,** 19.4-602
Creel, Theodore R., Jr.
  Pressure distributions and aerodynamic characteristics of 9° and 15° blunted cones in nitrogen and helium at Mach 20 (*with others*), 19.9-88
Creer, K. M.
  Application of rock magnetism to investigations of the secular variation during geological time, 19.4-512
Crepon, Michel
  Hydrodynamique marine en regime impulsionnel, 19.4-652
Cressman, George P.
  Data on facsimile charts, 19.9-209

Creswick, W. S.
Experiments in objective frontal contour analysis, 19.2-184
Criddle, W. D., *see* **Blaney, H. F.,** 19.8-401
Criminale, William O., Jr.
Interaction of the Laminar boundary layer with free-stream turbulence, 19.10-325
Crisafulli, D. M., *see* **Lane, A. L.,** 19.1-538
Cristea, N., *see* **Ivanovici, H.,** 19.11-95
Cristescu, Stefania, *see* **Constantin, T.,** 19.10-392
Croft, Thomas A.
Exact ray calculations in a quasi-parabolic ionosphere with no magnetic field (*with* **Hoogasian, H.**), 19.5-399
Crombie, D. D.
Waveguide mode propagation of VLF radio waves to great distances, 19.10-522
See also **Crary, J. H.,** 19.3-378
Cromwell, John, *see* **Broecker, W. S.,** 19.3-639
Cronin, John F.
Proposed multispectral photography experiment for AES lunar orbital mission (*with others*), 19.6-600
Crook, G. M., *see* **Scarf, F. L.,** 19.9-565
Crook, Keith A. W.
Cosmic ice residuum associated with an astrobleme? 19.1-495
Cross, Donald A. E.
Great Till flood of 1841, 19.6-772
Cross, R. C.
Nonlinear effects in the propagation of large-amplitude Alfven waves in a laboratory plasma (*with* **Watson-Munro, C. N.**), 19.12-50
Crossley, A. F.
Distribution of jet streams at 200 mb in the Middle East (*with* **Parkinson, I. N.**), 19.6-352
Crouser, Herman H.
Wind vector component accumulator, 19.10-140
Crow, Loren W.
Atmosphere as a common carrier, 19.8-226
Crowell, John C., *see* **Frakes, L. A.,** 19.10-777
Crowley, W. P.
Numerical advection experiments, 19.4-208
Second-order numerical advection, 19.4-209
Crozaz, Ghislaine
Datation des glaciers par le plomb-210, 19.10-773
Crozier, C. L.
Detailed storm acceptance and evaluation criteria: Precipitation Physics Project (*with* **Holland, J. D.**), 19.11-232
See also **Holland, J. D.,** 19.7-212
Cruette, Denise
Etude experimentale des ondes atmospheriques provoquees par le relief pyreneen, 19.5-273
Cruff, R. W.
Comparison of methods of estimating potential evapotranspiration from climatological data in arid and subhumid environments (*with* **Thompson, T. H.**), 19.3-267
Cruikshank, Dale P.
Laboratory spectra for testing the presence of minor constituents in planetary atmospheres, Pt. 2, 19.5-559
Crutcher, H. L., *see* **Groenewoud, C.,** 19.7-102
Crutchfield, James A.
Economics of weather modification, 19.11-212
Cry, George W.
Effects of tropical cyclone rainfall on the distribution of precipitation over the eastern and southern United States, 19.2-177
Csanady, G. T.
Dispersal of foreign matter by the currents and eddies of the Great Lakes, 19.6-749
Variance of local concentration fluctuations, 19.9-438
Wind driven-summer circulation in the Great Lakes, 19.8-385
See also **Stewart, R. E.,** 19.1-150
Cucin, Robert L., *see* **Sienko, M. J.,** 19.12-589
Cudny, Wojciech
Wspolpraca miedzynarodowa w zakresie biezacej wymiany danych meteorologicznykh i planowane zmiany rozwojowe [International cooperation in the current exchange of meteorological data and its planned development], 19.6-43
Cullen, David J.
Submarine evidence from New Zealand of a rapid rise in sea level about 11,000 years B.P., 19.6-654
Cummack, C. H.
Rectilinear model of conjugate F-regions, 19.6-481
Cumme, G., *see* **Lauter, E. A.,** 19.10-541
Cumming, Gordon, *see* **Reisman, E.,** 19.5-361
Cummings, W. D., *see* **Schubert, G.,** 19.2-467
Cummins, D. G.
Effects of temperature and soil moisture on single vs. split nitrogen applications to rye (*Secale cereale L.*) forage (*with* **Burns, R. E.** and **Smart, W. W. G., Jr.**), 19.5-48
Cunningham, Robert M.
Micro-meteorological cloud parameters: temperature and particle sampling, 19.2-279
Cuny, Y.
Contribution a l'etude du spectra solaire de l'hydrogene, 19.8-684
Curcio, J. A., *see* **Knestrick, G. L.,** 19.6-289
Curl, H. C., Jr., *see* **Park, K.,** 19.1-548
Curray, J. R., *see* **Shephard, F. P.,** 19.6-655
Currie, Robert G., *see* **Hirshberg, J.,** 19.8-575
See also **Sonett, C. P.,** 19.3-554
Curry, Robert R.
Glaciation about 3,000,000 years ago in the Sierra Nevada, 19.2-590
Curtis, A. R., *see* **Inston, H. H.,** 19.5-405
Curtis, G. W.
Analysis of spectral-line profiles, Pt. 2 (*with* **Jefferies, J. T.**), 19.5-602
Curtis, S. B.
Study of radiation hazards to man on extended missions (*with* **Wilkinson, M. C.**), 19.8-555
Curtiss, J. H.
Elementary mathematical model for the interpretation of precipitation probability forecasts, 19.3-128
Cutrona, L. J.
Some considerations in holography, 19.9-31

- *See also* **Cooley, P.,** 19.9-31
- **Czarnowski, Maciej S.**
  - Rzut oka na role lasu w gospodarce wodnej Polski [Glace at the role of woody vegetation in hydrological economy in Poland], 19.12-375
- **Czechoslovakia. Hydrometeorologicky Ustav**
  - Hydrologicke pomery Ceskoslovenske Socialisticke Republiky, Dil II [Hydrological conditions in Czechoslovakia, Pt. 2], 19.11-52
  - Katalog povetrnostnich situaci pro uzemi CSSR [Catalogue of weather situations for the territory of Czechoslovakia], 19.11-182
- **Czelnai, Rudolf**
  - Ipari meteorologia idoszeru kerdesei [Timely problems of industrial meteorology], 19.6-81
  - Structural and auto-correlation functions of the precipitation field (*with others*), 19.2-289
- **Czepyha, Chester G. R.**
  - Balloon-borne instrumentation, 19.5-93
  - *See also* **Doherty, F. X.,** 19.5-94; 19.10-118
- **Czuczor, Judit**
  - Vergleichende Untersuchung von elektromagnetischen Registrierungen der Observatorien von Nagycenk und Budkov [Comparative study of electromagnetic recordings at the Nagycenk and Budkov Observatories], 19.12-542

D

- **Dabberdt, Walter F.**
  - Tower-induced errors in wind profile measurements, 19.9-181
  - Wind disturbance by a vertical cylinder in the atmospheric surface layer, 19.9-467
- **Dacey, Michael F.**
  - Profile of a random stream, 19.12-814
- **Da Costa, Jose A.**
  - International Hydrological Decade: a progress report, Jan. 1965-May 1966, 19.3-14
- **Dadali, Iu. A.**
  - Issledovanie polidispersnykh poperechnykh sechenii oslableniia sfer vody i l'da [Investigation of polydisperse attenuation cross sections of water and ice spheres], 19.10-71
  - *See also* **Abshaev, M. T.,** 19.9-139
- **Dady, G.**
  - Prevoir le temps: evolution des id'ees et des techniques depuis un siecle, 19.6-160
- **Dagon, Ronald R.**
  - Current agricultural practices among the Waiwai, 19.9-105
- **Dahler, H.**
  - Neue Resultate zu den Problemen Frontalzone/Jetstream und Zyklogenese durch Kombination theoretischer und empirischer Erkenntnisse [New results on the problem of frontal zone/jetstream and cyclogenesis through the combination of theoretical and empirical findings], 19.12-167
- **Dahme, A.**
  - MILOC 65: a multi-ship oceanographic survey in the eastern North Atlantic, Vol. 1, 19.11-137
- **Daigne, Gerard**
  - Nouveau reseau multilopes pour obtention d'images instananees du Soleil a 169 MHz (*with* **Oudet, C.** and **Vinokur, M.**), 19.5-545
- **Daines, Robert H.**
  - Air pollution and plant response in the northeastern United States (*with* **Leone, I. A.** and **Brennan, E.**), 19.6-201
  - *See also* **Leone, I. A.,** 19.7-228
- **Dalgarno, A.**
  - Electron cooling in the upper atmosphere (*with* **Degges, T. C.**), 19.6-482
  - Some problems in planetary atmospheres involving collision processes, 19.6-196
  - *See also* **Whitten, R. C.,** 19.3-402
- **Dalley, E. J.,** *see* **Waller, R. A.,** 19.11-414
- **Dalrymple, Paul C.**
  - Radiation climatology at Plateau Station (*with* **Stroschein, L. A.**), 19.4-241
- **Dalu, G.**
  - Apparecchi per la registrazione continua del gradiente di potenziale atmosferico e della conducibilita dell'aria (*with* **Giorgi, M.** and **Guiducci, U.**), 19.9-205
  - Coefficiente di scambio da misure di concentrazione di radon, 19.9-119
  - Nuovo metodo di mesura delle concentrazioni atmosferiche di radon e toron, 19.9-118
  - *See also* **Burke, T. P.,** 19.11-497; **Giorgi, M.,** 19.9-297
- **Damagnez, J.**
  - Problemes d'etalonnage de la sonde a neutrons: applications a la determination de l'evaportranspiration reele des cultures, 19.8-134
- **Damon, Paul E.**
  - Radiocarbon and climate: a comment on a paper by H. Suess, 19.12-429
  - Relationship between terrestrial factors and climate, 19.11-489
- **Damon, Thomas D.**
  - Interrelation of ionospheric sporadic E with thunderstorms and jet streams, 19.11-532
- **Damotte, P.,** *see* **Jalu, R.,** 19.8-440
- **Danard, Maurice B.**
  - Fields by correlation assembly: a numerical analysis technique (*with* **Holl, M. M.** and **Clark, J. R.**), 19.8-372
  - On the inclusion of long-wave radiation in a tropospheric numerical prediction model, 19.8-168
- **Danford, Harold,** *see* **Chagnon, S.,** 19.10-453
- **D'Angiolino, G.,** *see* **Montalto, M.,** 19.9-299
- **Daniel, R. R.,** *see* **Annand, K. C.,** 19.5-550
- **Daniell, G. J.**
  - Effect of ionospheric refraction on the polar diagram of a short radio antenna, 19.7-499
- **Daniels, F.**
  - Impact of the atmospheric environment on the integument of man, 19.6-77
- **Daniels, G. M.,** *see* **Videberg, J.,** 19.2-386
- **Daniels, Glenn E.**
  - Errors of radiosonde and rocketsonde temperature sensors, 19.5-66
  - Scalar and component wind correlations between altitude levels for Cape Kennedy, Florida and

Santa Monica, California (*with* **Smith, O. E.**), 19.9-315

Daniels, Robert E.
  Significant snowfalls of the Twentieth Century at Richmond, Virginia, 19.7-427

Danielsen, Edwin F.
  Stratospheric-tropospheric exchange based on radioactivity, ozone and potential vorticity, 19.9-273
  See also **Lowry, D. A.,** 19.6-165

Danielsson, L. R.
  Laboratory simulation of plasma phenomena in comets (*with* **Kasai, G. H.**), 19.4-540

Danilin, A. I.
  Use of radioisotopes in hydrometeorological research and measurements [Transl. from Russ.], 19.8-126

Danilin, V. A.
  Zavisimost' dliny skachka i integral'nogo pogloshcheniia korotkikh radiovoln ot ugla vykhoda radiolucha [Dependence of skip distance and integral absorption of short radiowaves on the outpost angle of the radiobeam] [and Eng. transl.], 19.5-400

Danilkin, N. P., *see* **Serafimov, K. B.,** 19.1-387

Danilov, A. A.
  Comparison between the diurnal variations of the geomagnetic field and the corresponding variations of cosmic-ray intensity [Transl. from Russ.], 19.1-15
  O strukture mezhplanetnogo magnitnogo polia [Structure of interplanetary magnetic field] [and Eng. transl.], 19.3-536
  SD-variatsii geomagnitnogo polia v Iakutske i solnechnaia aktivnost' [SD-variations of the geomagnetic field in Yakutsk and solar activity] (*with others*) [and Eng. transl.], 19.3-465

Danilov, A. D.
  Khimiia ionosfery [Chemistry of the ionosphere], 19.5-7
  See also **Bragin, Iu. A.,** 19.8-246

Dann, R., *see* **Clark, J. G.,** 19.5-644

Darbyshire, J.
  Numerical prediction of wave spectra over the North Atlantic (*with* **Simpson, J. H.**), 19.10-763

Darchen, J.
  Considerations meteo-oceanographiques sur le systeme du Gulf-Stream, 19.2-563; 19.5-674
  Elements climatologiques concernant les cotes de la France metropolitaine, 19.5-13
  Exploitation des observations meteorologiques des navires, [Pt. 1-2], 19.8-91

D'Arcy, Edward M.
  Some applications of wind to unguided rocket impact predictions, 19.2-87

Dardignac, J., *see* **Allain, C.,** 19.4-607

Darie, Zinaida
  Gradientul vertical de temperatura si inversiunile in stratul sol-250 m deasupra regiunilor Bucuresti si Constanta [Vertical temperature gradient and inversions in the layer 250 m thick above ground over Bucharest and Constanta regions] (*with others*), 19.12-252

Darkow, Grant L.
  Diurnal oscillations of the tropospheric wind field above a low-level jet (*with* **Thompson, O. E.**), 19.2-241
  Total energy environment of severe storms, 19.7-292

Darley, E. F.
  Plant exposure chambers for dust studies (*with* **Lerman, S.** and **Oshima, R. J.**), 19.5-168

Darnell, Wayne L.
  Flight test of a 15-foot-diameter (4.6-meter) 120° conical spacecraft simulating parachute deployment in a Mars atmosphere (*with* **Henning, A. B.** and **Lundstrom, R. R.**), 19.9-686

Darrigol, M., *see* **Craya, A.,** 19.10-324

Das, K. G., *see* **Babington, S.,** 19.8-788

Das, P. K.
  Stationary waves in the atmosphere generated by a heat source (*with* **Julka, M. L.**), 19.7-276

Dascher, Albury J.
  Hybrid airborne data acquisition system, 19.3-70

Das Gupta, A., *see* **Basu, S.,** 19.4-405

Das Gupta, D. N.
  Study of heavy rainfall associated with low pressure microcells over northeast India, 19.4-223

Datar, S. V.
  Automatic radio-reporting rain-gauge system (*with* **Mohammed, P.** and **Mani, A.**), 19.4-110
  Automatic weather station for use in India (*with* **Pakkir Mohammed, P. A.**), 19.8-140

Datta, R. K.
  Synoptic situation associated with the unprecedented floods in Assam during the third week of Aug. 1962 (*with* **George, C. J.**), 19.7-844
  Synoptic study of the formation and movements of western depressions (*with* **Gupta, M. G.**), 19.4-224

Datta, R. N.
  Ionospheric drift measurement by a statistical method, 19.6-483

Daub, C. T., *see* **Leacock, R. A.,** 19.8-343

Dauvillier, A., *see* **Botley, C. M.,** 19.3-579

Dave, J. V.
  Effects of scattering and ground reflection on the solar energy absorbed by ozone in a Rayleigh atmosphere (*with* **Furukawa, P. M.**), 19.6-304

Davenport, A. G.
  Instrumentation and measurements of wind speed spectra in a city, 19.2-97

Davenport, David C.
  Local advection over crops and fallow, **Pt. 1** (*with* **Hudson, J. P.**), 19.3-39; **Pt. 2,** 19.10-470
  Variations of evaporation in time and space, **Pt. 1,** 19.2-265

David, Clarence L.
  Severe thunderstorm index utilizing upper air parameters, 19.10-270

Davidan, I. N.
  Primenenie veroiatnostnykh metodov dlia analiza rezhima volneniia na primere severnoi chasti Atlanticheskogo okeana [Application of probability methods to the analysis of the wave

regime as exemplified by the northern part of the Atlantic Ocean], 19.11-738

Davidova, N. G.
Types of synoptic process and associated wind fields in oceanic regions of the Southern Hemisphere, 19.12-194

Davidovich, Nataliia V., *see* **Kanevskii, Z. M.,** 19.12-425

Davidson, David
Oblique incidence ionospheric investigations, 19.1-368

Davidson, Kenneth L.
Influence of stability on cloud cover and incident solar radiation over Lake Michigan, 19.12-443

Davidson, Maurice J.
Spatial coherence of geomagnetic rapid variations (*with* **Heirtzler, J. R.**), 19.8-574
See also **Heirtzler, J. R.,** 19.12-532

Davies, Charles N.
Aerosol science (*ed.*), 19.5-17

Davies, D. R.
Time average model of the general circulation (*with* **Williams, G. P.**), 19.3-172

Davies, David
Note on erratic phasing in numerical 1000-mb forecasts (*with* **Harlow, J. H.**), 19.8-169
Perturbation analysis of the baroclinic model in use at the central analysis office, 19.8-170

Davies, J. G.
Observations of Luna 9 and Luna 10 near the Moon, 19.5-538
Observing techniques with on-line computer control, 19.9-31

Davies, John A.
Global radiation and reflection coefficients at Azraq in Jordan, 19.6-291

Davies, Kenneth
Nomenclature for oblique ionospheric soundings and ray tracing, 19.4-413
See also **Baker, D. M.,** 19.5-395

Davies, R. D.
21.2 cm observations of the planets Venus, Mars, Jupiter and Saturn (*with* **Williams, D.**), 19.3-540

Davies, Robert B.
Some techniques of summary evaluations of several independent experiments (*with* **Puri, P. S.**), 19.7-101

Davies, W. O., *see* **NATO Advanced Study Institute, Freising, Germany, July-Aug. 1967,** 19.12-555

Davis, B. W., *see* **Johnson, V. L.,** 19.10-645

Davis, Charles C.
Biological research in the Central Basin of Lake Erie, 19.8-760

Davis, Charles I.
Performance characteristics of various artificial ice nuclei sources (*with* **Steele, R. L.**), 19.10-402

Davis, D. R.
Ozone observations and associational forecasting of concentration trends for the tobacco industry of North Florida (*with* **Dean, C. E.** and **Henderson, J. H.**), 19.8-189
See also **Rhoades, W. C.,** 19.1-328

Davis, David E.
Role of environmental factors in hibernation of woodchucks *Marmota monax,* 19.1-223

Davis, Francis K., Jr.
Variation of gust factors with mean wind speed and with height (*with* **Newstein, H.**), 19.9-424

Davis, G. H.
Seasonal variations in the tritium content of ground-water of the Vienna Basin, Austria (*with others*), 19.9-849

Davis, Larry G.
Design, execution, and evaluation of a weather modification experiment (*with* **Hosler, C. L.**), 19.7-195
Meso-meteorological cloud parameters: proximity soundings and applications of airborne radar, 19.3-282
See also **Weinstein, A. I.,** 19.10-266

Davis, Leverett, Jr.
Theory of the interplanetary magnetic field, 19.3-537

Davis, N. E.
Summers of northwest Europe [Comments by M. K. Miles], 19.6-440

Davis, Richard E., *see* **Jalink, A., Jr.,** 19.11-344

Davis, Stephen H.
Convection in a box: linear theory, 19.7-357

Davis, T. Neil
Cinematographic observations of fast auroral variations, 19.1-395
Relationship between polar magnetic activity DP and growth of the geomagnetic ring current (*with* **Parthasarathy, R.**), 19.5-485
Worldwide auroral morphology, 19.2-396
See also **Maggs, J. E.,** 19.7-557

Davis, William O.
Environmental prediction using orbital sensors (*with* **Kuettner, J. P.**), 19.9-647

Davitaia, F. F.
Nekotorye aspekty sovremennogo sostoianiia meteorologii v Iaponii [Some aspects of the present state of meteorology in Japan], 19.11-106
Possible influence of atmospheric dustiness on the recession of glaciers and warming of the climate [Transl. from Russ.], 19.5-169

Davos. Physikalisch-Meteorologisches Observatorium, Davos-Platz, Switzerland, *see* **Bener, P.,** 19.9-379, 19.10-137; **Flach, E.,** 19.7-463

Davos, Switzerland. Eidgenoessisches Institut fuer Schnee- und Lawinenforschung
Schnee und Lawinen im Winter 1965-66 [Snow and avalanches in winter, 1965-66], 19.9-29

Davtian, N. A., *see* **Sudol'skii, A. S.,** 19.6-342

Davydov, V. D.
Galo na Lune? "Bliki" na lunnoi panorame [Halo on the Moon? Spots of light on the lunar panorama], 19.2-490
O nekotorykh vozmozhnykh prichinakh otsutstviia "kanalov" na snimkakh Marsa, poluchennykh s "Marinera-4" [Some possible causes of the absence of "canals" on photo-

graphs of Mars obtained from "Mariner-4"] [and Eng. transl.], 19.3-559

Davydova, O. A.
Sutochnyi khod temperatury i vlazhnosti vozdukha v teploe polugodie v Moskve (stantsiia Bykovo) [Diurnal variation of air temperature and humidity in the warm half year in Moscow (Bykovo Station)] (*with* **Koniukhova, M. S.**), 19.4-261

Dawson, G. A., *see* **Krider, E. P.,** 19.10-503

Day, Harold J.
Study of the benefits due to the U. S. Weather Bureau River Forecast Service, 19.6-186

Day, J. S., *see* **Ghosh, A. K.,** 19.4-308

Day, Paul R.
Nature of soil water (*with* **Bolt, G. H.** and **Anderson, D. M.**), 19.7-851

Dayton, David S.
Coming to grips with multipath ghosts, 19.5-72

Dayton, Ohio. Univ. Research Inst., *see* **Engler, N. A.,** 19.7-103

Dazur, Waldemar (Baron von)
Jeder spricht vom Wetter [Everybody talks about the weather], 19.8-35

De, A. C., *see* **Kundu, M. M.,** 19.4-79

De, U. S.
Objective method for forecasting five-day rainfall over Delhi during July and August, 19.6-175

Dean, C. E., *see* **Davis, D. R.,** 19.8-189

Dean, Edward K.
Practical applications of continuous sea surface salinity and temperature data, 19.9-786

Dean, Walter N.
Utilization of Loran-C for oceanography, 19.11-700

DeAngelis, Richard M.
North Atlantic tropical cyclones, 1967, 19.6-269
North Pacific hurricanes: timid or treacherous? 19.4-229
Typhoons of the western North Pacific, 1967, 19.11-328

Deardorff, James W.
Dependence of air-sea transfer coefficients on bulk stability, 19.8-279

De Beer, J. F.
Theoretical analysis of extensive air showers, Pt. 2 (*with others*), 19.11-554

Debehogne, H.
Petites planetes, 19.11-650

de Bettencourt, J. T.
Review of radio propagation below the Earth's surface, 19.9-30

De Boodt, M., *see* **Moerman, P.,** 19.7-157

De Bortoli, M., *see* **Gandino, C.,** 19.5-250

de Brichambaut, Chr. Perrin, *see* **Perrin de Brichambaut, Chr.**

De Bruijn, P., *see* **Israel, H.,** 19.8-480

Debrun, G.
Appareil "S.F." (Soufre-Fumees) enregistreur en continu, 19.11-166

De Champaux, –
Incidence meteorologique sur les vols supersoniques aux hautes altitudes, 19.9-81

Decker, Fred W.
Cloud seeding comes "of age", 19.11-233

Decker, Wayne L.
Evaluation of rainfall records from a five year cloud seeding experiment in Missouri (*with* **Schickedanz, P. T.**), 19.7-206
Investigation concerning potential evapotranspiration in Missouri, 19.11-427
See also **Schickedanz, P. T.,** 19.12-141

Decleir, Hugo
De Belgisch-Nederlandse Antarctische Expeditie, 1966 [The Belgian-Dutch Antarctic Expedition, 1966], 19.6-117

De Crecy, L.
Statistique et prevision d'avalanches, 19.3-345

Dedenko, L. G., *see* **Amineva, T. P.,** 19.2-420

Deev, M. G., *see* **Beliaev, I. P.,** 19.10-374

De Felice, P.
Etude des echanges de chaleur entre l'air et le sol sur deux sols de nature differente, 19.9-409

De Fina, Armando L.
Difusion geografica de cultivos indices en la provincia de Cordoba y sus causas (*with others*), 19.2-53

Degaonkar, S. S.
Electron temperatures in the ionospheric F-region over Ahmedabad (*with* **Abdu, M. A.**), 19.7-500
See also **Abdu, M. A.,** 19.4-402

Degen, Vladimir
Herzberg II $(c^1\Sigma_u^- - X^3\Sigma_g^-)$ system of O_2 in emission in the oxygen-argon afterglow, 19.9-621

Degewij, J.
Het fotograferen van meteoren [Meteor photography] (*with* **Alberts, M.**), 19.9-691
Lyridespektrum 1966 [Lyrid spectrum, 1966], 19.7-679

Degges, T. C., *see* **Dalgarno, A.,** 19.6-482

De Graaff, W., *see* **Van Gils, J. N.,** 19.5-604

Degtiarev, V. G.
[Analysis of the stability of circular orbits of satellites in the normal gravitational field of the Earth, taking into account the dipole magnetic field] [In Russ.], 19.5-108

De Harpporte, Dean R., *see* **Hanks, H. H., Jr.,** 19.4-150

De-Heer-Amissah, A., *see* **King, K. M.,** 19.1-280

De Jager, C.
Hard solar X-ray burst of Sept. 18, 1963, 19.8-636
Meteorenonderzoek in Nederland [Meteor research in the Netherlands], 19.7-674
Note on solar hard X-ray bursts, 19.7-645
Source functions in the cores of infrared Fraunhofer lines (*with* **Neven, L.**), 19.8-681
Spectroscopic data for sixty new model photospheres (*with* **Neven, L.**), 19.7-700
See also **Gingerich, O.,** 19.8-673

Delach, M. N., *see* **Horn, D. R.,** 19.8-716

Delache, Philippe
Contribution a l'etude de la zone de transition chromosphere-couronne, 19.4-593

Deland, Raymond J.
Statistical study of the vertical structure of traveling planetary-scale waves (*with* **Johnson, K. W.**), 19.6-259

Del Arenal C., Rodolfo
Mexican national report on scientific hydrology, 1964-1966 [to the International Union of Geodesy and Geophysics, Switzerland, Sept. 26-Oct. 7, 1967], 19.11-782
Delariu, E. M.
I. P. Skvortsov kak osnovopolozhnik ucheniia v gigiene o vozdeistvii kosmicheskikh iavlenii na vneshniuiu sredu zemli i vliianii ikh na zdorov'e cheloveka [I. P. Skvortsov as the initiator of research on the action of cosmic phenomena upon the outer environment of the Earth and on their effect upon human health] [and Eng. transl.], 19.5-359
Delchev, M. K., *see* **Dragnev, T. N.,** 19.3-422
Delcroix, Andre
Diffusion des elements dans le Soleil (*with* **Grevesse, N.**), 19.12-615
Deleanu, M.
Observatii privind ionizarea aerului la Cluj pe o perioada de 11 ani 1955-1965 [Observations regarding air ionization over Cluj over a period of 11 years, 1955-1965] (*with* **Elges, E.**), 19.11-518
Deleur, M. S.
K voprosu o tochnosti ucheta tverdykh osadkov [Accuracy of measuring solid precipitation], 19.9-514
Delevaux, M. H.
Preliminary lead isotope investigations of brine from the Red Sea, galena from the Kingdom of Saudi Arabia, and galena from United Arab Republic (Egypt) (*with* **Doe, B. R.** and **Brown, G. F.**), 19.4-647
De Lisle, J. F.
Climate of the Waikato Basin, 19.1-318
Delloue, Jean
Mesure des variations du chemin optique des signaux engendres par un emetteur d'ondes longues et propages dans le mode sifflement (*with others*), 19.3-148
Sur la reception d'un meme sifflement radioelectrique en deux points distants de 136 km (*with* **Garnier, M.**), 19.1-354
Delly, John Gustav, *see* **McCrone, W.,** 19.4-13
DeLuisi, John J.
Effect of haze upon Umkehr measurements, 19.7-313
DeMandel, R. E.
Mesoscale wave motions as revealed by improved wind profile measurements (*with* **Scoggins, J. R.**) [Comments by R. F. Stengel], 19.11-402
DeMarcus, Wendell C.
Models of Jupiter and Saturn, 19.3-564
Demenitskaia, R. M.
Magnitnoe pole podvodnykh gor [A magnetic field of submarine mountains] (*with others*) [and Eng. transl.], 19.5-465
Dement'ev, N. F.
O sisteme mekhanizirovannoi obrabotki materialov nabliudenii massovoi gidrologicheskoi seti GUGMS [System of mechanical processing of observational data of the extensive hydrological neter of the Hydrometeorological Service] (*with* **Grigor'ev, V. I.**), 19.11-787
Ob ispol'zovanii perfokart dlia graficheskikh otmetok v kachestve mekhanizirovannogo nositelia gidrologicheskoi informatsii [Use of punched cards with graphic notations for automated processing of hydrological data] (*with* **Grigor'ev, V. I.**), 19.11-788
See also **Grigor'ev, V. I.,** 19.11-790
Dem'ianenko, L. N.
Mertsaniia diskretnykh istochnikov v troposfere [Scintillation of discrete sources in the troposphere] (*with* **Stankevich, K. S.** and **Shipulia, O. N.**) [and Eng. transl.], 19.12-450
De Micheli, Stella M.
Experimental study of the evaporation of ice in controlled conditions of subsaturation (*with* **Licenblat, A. R.**), 19.11-755
Demidova, E. I., *see* **Volokitina, L. A.,** 19.5-201
De Miguel, Luis
Absorcion ionosferica, 19.11-533
Variaciones rapidas del Campo Magnetico Terrestre, 19.11-576
de Mottoni, Glauco, *see* **Mottoni, Glauco de**
Denikaev, R. Z.
Operation of a neutron monitor and μ-meson telescope (*with others*) [Transl. from Russ.], 19.1-15
Denisov, Iu. M., *see* **Glazyrin, G. E.,** 19.4-352
Denmark. Meteorologisk Institut
Isforholdene i de Groenlandske Farvande, 1957 [Ice conditions in the Greenland waters, 1957], 19.8-746
Maanedlige overfladetemperaturer i det Nordlige Atlanterhav, 1965 [Monthly surface temperatures of the Northern Atlantic, 1965], 19.8-734
Oceanografiske Observationer fra Danske Fyrskibe og Kyststationer, 1966 [Oceanographical observations from Danish light-vessels and coastal stations, 1966], 19.8-701
Summaries of meteorological upper-air observations, 1951-1960, Egedesminde, Greenland [and for] Nord Greenland, 1954-1960, 19.9-160
Dennis, A. S.
Evidence of singularities in radiosonde data for Rapid City, South Dakota, 19.4-384
Radar observations of convective storms in western Nebraska (*with* **Ziller, N.**), 19.10-271
See also **Koscielski, A.,** 19.9-249
Dent, Gloria, *see* **Bedient, H. A.,** 19.5-143
Denton, George H.
Neoglacial chronology, Northeastern St. Elias Mountains, Canada (*with* **Stuiver, M.**), 19.4-735
Denton, R. F.
Concept and design of the SEAS buoy system (*with* **Stahl, P. C.**), 19.9-744
Denver. Univ. Dept. of Physics, *see* **Goldman, A.,** 19.11-350
De Quervain, M. R.
Measurements on the pressure at rest in a horizontal snow cover, 19.3-307

On avalanche classification: a further contribution, 19.3-332

Dera, Jerzy
Measurements of optical quantities characterizing the conditions of photosynthesis in the Gulf of Gdansk, 19.4-629

Derbeneva, A. D.
Svetovoi potok i moshchnost' ionizatsii meteornykh sledov [Luminous flux and power of ionization of meteor trails] [and Eng. transl.], 19.4-577

Derblom, H.
Emission from a sodium trail released into an aurora, Pt. 1 (*with* **Stoffregen, W.**), 19.1-394
On the location of hydrogen emission with respect to auroral forms, 19.10-566
See also **Stoffregen, W.,** 19.3-413

Derbyshire, Edward
Discussion on the glacial map of Tasmania, 19.1-580

Derco, V. S.
Weighting factor computer program for mean areal rainfall determination precipitation physics program, 19.8-430

Der Gand, H. R. In, *see* **In Der Gand, H. R.**

Dermine, P.
Effects of temperature on yields and hydrolyzable carbohydrate content of alfalfa and timothy seedlings (*with* **Hidiroglou, M.** and **Hamilton, H. A.**), 19.8-54

DeRose, Charles E.
Ballistic-range tests of a drag-ring configuration at Mach numbers around 2, 19.5-570

Derycke, Richard James
Investigation of evaporation from the ocean off the Oregon Coast, and from Yaquina Bay, Oregon, 19.3-268

Desai, B. N.
On the formation, direction of movement and structure of the Arabian Sea cyclone of May 20-29, 1963, 19.4-225
Use of radon measurements to identify air masses over the Indian Seas during the southwest monsoon season, 19.9-294

Deshpande, D. V.
Sunspot cycle and regional rainfall, 19.9-506

Deshpande, M. R.
Nighttime F-region drifts over Thumba (*with* **Rastogi, R. G.**), 19.6-484
Seasonal variations in the ionospheric drifts over the magnetic equator (*with* **Rastogi, R. G.**), 19.6-485

Desi, Frigyes
Gazdasagos meteorologiai kutatasokrol [Economically efficient methods in meteorological research], 19.12-36
Jegeso elharitasanak nehany kerdeserol [Some problems of hail prevention], 19.12-140

Desikan, Varadarajan
Analysis of flood propagation through channels and reservoirs: implicit finite difference method, 19.3-719

Desjardins, R. L.
Detection of the ozone of polluted and unpolluted atmospheres, 19.2-107

Dessens, Henri
Cataclysmes et dangers de la nature, 19.11-59

Dessler, A. J.
Magnetic merging in the magnetospheric tail, 19.4-505

Detert, David G.
Ray-tracing simulation of HF radio measurements of large traveling ionospheric disturbances, 19.5-401

Dethier, Bernard E.
Climate of northern New York (*with* **Pack, A. B.**), 19.7-447
See also **Canfield, N. L.,** 19.11-451; **Pack, A. B.,** 19.7-446

Dettwiller, J.
Caracteristiques du jet subtropical sur le N.W. de l'Afrique, 19.3-184
Quelques remarques sur l'evolution du climat au cours des dernieres decennies, 19.9-535

Deubner, Franz Ludwig
On the influence of seeing on photospheric velocity measurements, 19.12-624
Some properties of velocity fields in the solar photosphere, 19.4-584

Deutsch, L. Peter
Online editor (*with* **Lampson, B. W.**), 19.9-210

Deutsch, S., *see* **Aldaz, L.,** 19.6-414

De Vaublanc, Bruno
Dispositif experimental pour la mesure fine de l'effet Doppler-Fizeau differentiel des satellites artificiels, 19.2-347

De Vaucouleurs, G.
Low-resolution photometric map of Mars, 19.7-670

Devereux, R. F., *see* **Morgan, K. A.,** 19.4-613

De Villiers, G. D. B.
Syllabi for instruction in agricultural meteorology (*with others*), 19.7-37

De Vries, Tj. E.
Maanonderzoek van de Surveyor III [Investigation of the Moon by Surveyor III] (*with* **Titulaer, C.**), 19.3-552

De Wiest, Roger J. M.
[Comments on] his: On the storage coefficient and the equation of groundwater flow, 19.4-761
Hydraulic model study of nonsteady flow to multiaquifer wells, 19.3-711
On the storage coefficient and the equations of groundwater flow [Comments by author], 19.4-761

De Wiljes, H. G.
Influence of climate upon the number of weather-working hours in combine harvesting in the Netherlands (*with* **Zaat, J. C. A.**), 19.9-94

DeWitt, R. N.
Dynamical model of auroral morphology, 19.4-470

De Wolf, J. B., *see* **Fiocco, G.,** 19.9-261

De Wys, Jane Negus
Surveyor V: magnet experiment, 19.2-494

Dhar, O. N.
Brief study of rainfall over the Teesta Basin up to Teesta Bridge (*with* **Mantan, D. C.** and **Jain, B. C.**), 19.6-396

Design storm studies for the Lower Mahanadi catchment up to Tikkerpara Dam site (*with* **Mantan, D. C.** and **Jain, B. C.**), 19.6-405
Study of meteorological situations associated with major floods in Assam during the monsoon months (*with* **Changraney, T. G.**), 19.7-845
Study of rainspell associated with the unprecedented flood in the Kosi River in Aug. 1954 (*with* **Narayanan, J.**), 19.6-406
See also **Raman, P. K.**, 19.6-408
D'iachenko, L. N., *see* **Kondrat'ev, K. Ia.**, 19.1-216
Diaconescu, Gh. I.
Radiatia efectiva in tara noastra [Radiation in Rumania], 19.12-224
Rolul stratificarii atmosferice in distributia depunerilor radioactive [The part played by atmospheric stratification in the distribution of radioactive fallout] (*with* **Butoi, S.** and **Tumanov, S.**), 19.11-285
Variatia gradului de stabilitate in stratul de aer de linga sol [Variation of degree of stability of the atmospheric layer near the surface] (*with others*), 19.11-303
See also **Rahau, L.**, 19.1-124
Diaz, Guillermo
Application of principal component analysis and factor analysis in the study of water yield (*with* **Sewell, J. I.** and **Shelton, C. H.**), 19.7-396
Dibble, Daniel F., *see* **Chesebrough, G. F.**, 19.7-477
Di Benedetto, Felice
Objective criteria for discrimination of irrotational and rotational motions in the atmosphere, 19.2-158
Ricerca spaziale nel campo della geofisica e l'Organizzazione Europea per le Ricerche Spaziali (ESRO), 19.10-38
Rotore del vento isallobarico, 19.9-217
Sulla correzione della pressione per un elemento di Bourdon nei sondaggi aerologici, 19.9-129
Dicke, R. H.
Solar spin-down problem, 19.2-504
Dickel, John R.
Microwave observations of Jupiter, 19.3-545
Dickerson, W. H.
Regional research in agricultural climatology in the northeastern United States: a ten-year summary, 1956-1966 (*with* **Canfield, N. L.** and **Havens, A. V.**), 19.11-83
Some aspects of drought in West Virginia (*with* **Weedfall, R. O.**), 19.8-442
See also **Weedfall, R. O.**, 19.7-56
Dickey, Woodrow W.
Verification of operational probability of precipitation forecasts, April 1966-March 1967, 19.6-184
Dickinson, Robert Earl
Dynamics of the neutral gas in the thermosphere for small Rossby number motions (*with* **Lagos, C. P.** and **Newell, R. E.**), 19.12-474
On the exact and approximate linear theory of vertically propagating planetary Rossby waves forced at a spherical lower boundary, 19.12-181
On the excitation and propagation of zonal winds in an atmosphere with Newtonian cooling, 19.7-277
Propagators of atmospheric motions, 19.7-8
See also **Geisler, J. E.**, 19.3-143; **Newell, R. E.**, 19.9-133
Dickinson, W. T.
Accuracy of discharge determinations, 19.2-600
Experimental rainfall-runoff facility (*with* **Holland, M. E.** and **Smith, G. L.**), 19.3-287
Dickson, C. R., *see* **Angell, J. K.**, 19.12-80
Dickson, David G., *see* **Ligon, J. T.**, 19.4-367
Dickson, Robert R.
Weather and circulation of July 1967: unusually cool east of the Divide, 19.3-64
Didenko-Kilitsina, L. K.
O kolichestve i vozraste oledenenii Dzhungarskogo Alatau [Amount and age of the Dzhungar Alatau glaciation], 19.6-715
Diduk, G. A.
Ob odnom metode otsenki ustoichivosti slozhnykh dinamicheskikh sistem [A method of evaluating the stability of complex dynamic systems], 19.11-292
Diekson, J. S., *see* **Belhouse, H. C.**, 19.4-115
Diemer, Ferdinand P.
Computerization of oceanographic data, 19.2-517
Dieminger, W.
D-region phenomena associated with meteorological influences, 19.11-279
Structure of the D-region from partial radio reflection observations, 19.11-280
Dietrich, Guenter
Reisebericht der Indischen Ozean Expedition mit dem Forschungsschiff "Meteor" 1964-1965 [Report of the Indian Ocean Expedition with Research Vessel "Meteor" 1964-1965] (*with others*), 19.3-621
Dietze, Gerhard
Durch die Sehleistung des Auges bedingte zeitliche und raeumliche Grenzen fuer die Sichtbarkeit leuchtender Nachtwolken [Temporal and spatial boundaries for the visibility of noctilucent clouds limited by the visual range of the human eye], 19.10-491
Menge des stratosphaerischen Ozons und Polarisation des Daemmerungslichts [Amount of stratospheric ozone and twilight polarization], 19.6-466
Mittlere Werte der Polarisation des Himmelslichts in der Daemmerung nach Messungen in Transkaukasien 1965 [Mean values of polarization of the light of the sky during twilight according to measurements in Transcaucasia 1965], 19.5-374
Ueber die Sondierung stratosphaerischer und mesosphaerischer Staubschichten mit Laserimpulsen [Sounding stratospheric and mesospheric dust layers with pulsed laser] (*with* **Seidel, H.**), 19.11-263
Dight, F. H.
Diurnal range of temperature in Scottish glens, 19.5-226

Dightman, R. A.
Historical and climatological study of Grinnell Glacier, Montana, 19.3-355
Dikii, L. A.
K nelineinoi teorii ustoichivosti zonal'nykh techenii [Non-linear theory of stability of zonal flow] [Transl. from Russ.], 19.3-173
Ob uchete srednego vetra v zadache o chastotakh svobodnykh kolebanii atmosfery [Accounting for mean winds in calculating frequency of free oscillations of the atmosphere] [and Eng. transl.], 19.4-211
Dikinov, Kh. Zh.
Raschet glubiny promerzaniia pochvy, pokrytoi snegom, po zadannoi temperature vozdukha [Calculation of soil freezing depth under snow at a given air temperature] [and Eng. transl.], 19.9-411
Dillon, Howard B.
Deformation rates of polycrystalline ice (*with* **Andersland, O. B.**), 19.11-756
Dimaksian, A. M.
Avtomaticheskii rezhimnyi registriruiushchii gidrologicheskii post [Automatic hydrological regime recording station] (*with others*), 19.11-159
K voprosu ob opredelenii optimal'noi nadezhnosti i effektivnosti gidrometeorologicheskikh sistem i priborov [Optimum reliability and effectiveness of hydrometeorological systems and instruments] (*with* **Petrov, V. P.**), 19.11-144
O nekotorykh sovremennykh zarubezhnykh razrabotkakh sredstv avtomatizatsii setevykh gidrologicheskikh izmerenii [Some recent foreign developments of means of automation of hydrological network measurements] (*with* **Petrov, V. P.**), 19.11-789
Tochnost' izmereniia i metodika rascheta poplavkovoi sistemy urovnemera [Accuracy of measurement and method of computation of the system of floating water-level meters], 19.11-705
Dimitrov, Evg., *see* **Florov, R. I.,** 19.2-218
Dimov, N. A.
Observations of star fields made beyond the atmosphere (*with* **Severnyi, A. B.**), 19.6-30
Din, S. H. Sharaf El, *see* **Sharaf El Din, S. H.**
Dinca, Ileana, *see* **Stoenescu, S.,** 19.12-250
Dincer, T.
Application of radiotracer methods in streamflow measurements, 19.9-862
Dineata, V., *see* **Patrichi, Fl.,** 19.11-174
Dingle, Herbert
On inertia and inertial frames of reference, 19.5-539
Dingle, R.
Surface and subsurface micrometeorology at Plateau Station (*with others*), 19.4-375
DiPippo, R.
Sonar equation nomograph (*with* **Kelly, J. G., Jr.**), 19.3-629
Dirikis, M. A.
Nabliudeniia serebristykh oblakov v Latviiskoi SSR v 1962 g [Observations of noctilucent clouds in Latvia SSR in 1962] (*with* **Mukins, E. Ts.**), 19.6-461
Dirks, R. A.
Evidence of a mesoscale wave phenomenon in the lee of the Rocky Mountains (*with* **Mahlman, J. D.** and **Reiter, E. R.**), 19.2-260
Dirmhirn, Inge
On the use of silicon cells in meteorological radiation studies, 19.12-88
Diubiuk, A. F.
Meteorologicheskie usloviia i fotogrammetriia sistemy smerchei na Chernomorskom poberezh'e Kavkaza [Meteorological conditions and photogrammetry of a system of water spouts on the Black Sea shore of the Caucasus] (*with* **Bibikova, T. N.**) [and Eng. transl.], 19.4-235
Zamedlennaia kinos''emka oblakov vsego nebesnogo svoda [Time-lapse filming of clouds of the entire sky] (*with* **Bibikova, T. N.**), 19.9-494
Diubkin, I. A.
O ritmichnosti v neperiodicheskikh kolebaniiakh urovnia Vostochno-Sibirskogo moria [Rhythm in a periodic level fluctuations of the Eastern Siberian Sea] (*with* **Toporkov, L. G.**), 19.2-541
Diukalov, A. N.
Raspredelenie chastits v okrestnosti beskonechnogo zariazhennogo tsilindra, pomeshchennogo v plazmu [Particle distribution in the vicinity of an infinite charged cylinder, placed in a plasma] (*with* **Borisov, N. F.**) [and Eng. transl.], 19.2-457
Diukel', N. G., *see* **Kaganer, M. S.,** 19.4-315
Diunin, A. K.
Fundamentals of the mechanics of snow storms, 19.12-374
Divari, N. B.
Meteornaia model' zodiakal'nogo oblaka [Meteor model of a zodiacal cloud] [and Eng. transl.], 19.10-692
O soderzhanii pyli v verkhnei atmosfere Zemli [Dust content of the Earth's upper atmosphere] [and Eng. transl.], 19.1-137
O vliianii priamogo svetovogo davleniia Solntsa na dvizhenie chastits okolozemnogo pylevogo oblaka [Influence of the direct solar light pressure on the motion of particles of a circumterrestrial dust cloud] (*with* **Klikh, Iu. A.**) [and Eng. transl.], 19.1-138
Dixey, F.
Water supply, use and management, 19.12-779
Dixon, R. M.
Vacuum system for accumulating runoff from infiltrometers (*with* **Peterson, A. E.**), 19.8-796
Dizer, M.
Kandilli Observatory, Istanbul, 19.11-611
Typical twisted surge on November 10, 1967, 19.12-630
Dizioglu, M. Y.
Development of a method for downward analytical continuation of electromagnetic field, 19.7-586
Dmitrenko, V. P.
K metodike aerovizual'nykh agrometeoro-

logicheskikh nabliudenii [Methods of visual agrometeorological observations from the air] (*with others*), 19.9-147

Dmitriev, A. A.
O roli radiatsii i advektsii v pokal'nom prognoze temperatury [Role of radiation and advection in local temperature forecasting] (*with* **Vinogradskaia, A. A.**), 19.9-224
Termika moria (k 50-letiiu Sovetskoi vlasti) [Thermal conditions of the ocean (Soviet studies for 50 years)] [and Eng. transl.], 19.4-673

Dmitriev, V. I., *see* **Van'ian, L. L.**, 19.5-523, 524

Dmitrieva, I. D., *see* **Gdalevich, G. L.**, 19.1-372

Dmitrieva, N. G.
Determination of the volume of seasonal ice formation in river basins by the hydrochemical method [Transl. from Russ.], 19.9-825
Opredelenie ob"ema sezonnogo oledeneniia basseinov rek gidrokhimicheskim metodom [Determination of the volume of seasonal icing of river basins using the hydrochemical method], 19.6-729

Dobbins, David L.
Determination of vibrational and rotational energy levels of water vapor (*with* **LaGrone, A. H.**), 19.12-308

Doberitz, Rolf
Zum Kuestenklima von Peru [Coastal climate of Peru], 19.9-10

Dobosi, Zoltan, *see* **Borhidi, A.,** 19.1-206

Dobrovol'skii, A. D.
Ekspeditsionnye okeanologicheskie issledovaniia v Sovetskom Soiuze za 50 let [Field oceanographic studies in the Soviet Union for 50 years] [and Eng. transl.], 19.5-609

Dobryshman, E. M.
O nekotorykh modeliakh statsionarnogo dvizheniia vozdukha v ekvatorial'noi zone [Models of the stationary air movement in the equatorial zone] (*with* **Fal'kovich, A. I.**), 19.3-174
O proekte "Tropicheskii eksperiment" [The "Tropical experiment" project], 19.10-79
Statsionarnaia zadacha o vetre nad ploskim sklonom s uchetom gorizontal'nogo obmena [The problem of stationary wind above a plane slope involving horizontal exchange] (*with* **Shakina, N. P.**), 19.9-445

Dobrzhanskaia, M. A.
Zakonomernosti prostranstvennogo raspredeleniia kisloroda na razlichnykh glubinakh Chernogo moria [Laws governing the spatial distribution of oxygen at various depths of the Black Sea], 19.10-729

Dobson, G. M. B.
Forty years' research on atmospheric ozone at Oxford: a history, 19.8-262

Dockins, K. O.
Tritium in the mixed layer of the North Pacific Ocean (*with others*), 19.10-733

Dodson, Eugene B.
Professional broadcast meteorologist as seen by management, 19.12-103

Doe, B. R., *see* **Delevaux, M. H.,** 19.4-647

Doherty, Francis X.
"C"-launch technique for high-altitude balloons (*with* **Czepyha, C. G. R.** and **Reddy, R. J.**), 19.10-118
In-flight deployment of heavy payload trains beneath ascending high-altitude balloons (*with* **Czepyha, C. G. R.** and **Reddy, R. J.**), 19.5-94

Doherty, H. B.
Weather on Alice in Wonderland Day, July 4, 1862, 19.9-148

Doherty, Lowell R.
Ultraviolet dayglow and stellar brightness measurement from the X-15 aircraft, 19.11-142
Ultraviolet dayglow measurement with the X-15 aircraft, 19.11-349

Doherty, R. H.
Importance of associative detachment and dissociative attachment in the lower ionosphere as shown by LF radio measurements, 19.7-501

Dohnal, Karin
Die Anwendung des Sutcliffeschen Entwicklungstheorems auf die V_b-Wetterlage vom 8. und 9, Oktober 1964 [Application of Sutcliffe's theorem of development, applied to the V_b-weather situation of Oct. 8-9, 1964], 19.3-193

Dohnanyi, J. S.
Mass distribution of meteors, 19.3-577

Dohrs, Fred E.
Physical geography: selected readings (*with* **Sommers, L. M.**), 19.9-35

Dolainsky, F.
Ein Experiment zur Bestimmung der chromosphaerischen UV-Strahlung der Sonne im Rahmen des Sonnenfinsternis-Programms der ESRO [Experiment in calculating the chromospheric ultraviolet solar radiation in the Solar Eclipse Programs of the ESRO] (*with* **Rossbach, A.**), 19.4-250

Dolbilkina, N. A.
Ob istochnike dlinnoperiodnykh mikroseism [Source of long period microseisms] (*with* **Lazarenko, T. A.** and **Mamichev, V. I.**) [and Eng. transl.], 19.3-661

Dolganov, L. V.
Nekotorye rezul'taty aerometeorologicheskikh nabliudenii na vynosnykh stantsiiakh Mir, Druzhba i Pobeda [Some results of aerometeorological observations at the temporary stations Mir, Druzhba and Pobeda], 19.3-65
See also **Dolgin, I. M.**, 19.11-136

Dolgin, I. M.
Aeroklimaticheskii spravochnik Antarktidy [Aeroclimatic handbook of the Antarctic] (*ed.*), 19.3-11
Air humidity characteristics over East Antarctica (*with* **Karimova, G. U.** and **Kovrova, A. M.**) [Transl. from Russ.], 19.1-276
Some results of meteorological and aerological investigations in Antarctica in the period from 1956 to 1966 [Transl. from Russ.], 19.2-75
Some results of meteorological investigations in the Arctic and in Antarctica during the International Geophysical Year (*with* **Dolganov, L. V.**) [Transl. from Russ.], 19.11-136

Dolginov, A. Z.
Cosmic rays in the interplanetary magnetic fields (*with* **Toptygin, I. N.**), 19.7-566
O diffuzii kosmicheskikh chastits v mezhplanetnoi srede [Diffusion of cosmic particles in interplanetary space] (*with* **Toptygin, I. N.**) [and Eng. transl.], 19.8-556

Dolginov, Sh. Sh.
Vozmozhnaia interpretatsiia rezul'tatov izmerenii na okololunnom sputnike "Luna-10" [Possible interpretation of results of measurements from the Moon-orbiting satellite "Luna-10"] (*with others*) [and Eng. transl.], 19.1-86
See also **Zhuzgov, L. N.**, 19.11-645

Dolginova, Iu. N.
Geoaktivnost' solnechnykh vspyshek v zavisimosti ot vysoty obrazovaniia ikh v solnechnoi atmosfere [Geoactivity of solar flares depending upon the height of their formation in the solar atmosphere] (*with* **Odintsova, I. N.**) [and Eng. transl.], 19.8-676

Dolgova, E. I.
Kriticheskie chastoty nevozmushchennogo sloia F2 v gody maksimuma solnechnoi aktivnosti [Critical frequencies of an undisturbed F2 layer during the years of maximum solar activity] [and Eng. transl.], 19.2-348
Vozmushcheniia v sloe F2 v period poliarnykh magnitnykh bur' [Disturbances in the F2 layer during auroral magnetic storms] [and Eng. transl.], 19.8-502

Dolgushin, I. P.
O sushchestvennykh pogreshnostiakh v izmerenii osadkov dozhdemerom Davitaia [Significant errors in measurement of precipitation using a Davitaia rain gage], 19.4-111

Dollfus, Audouin, *see* **Focas, J. H.,** 19.6-30; **Stubbs, P.,** 19.10-688

Dolov, M. A.
Raschet koeffitsienta temperaturoprovodnosti snega [Computing the coefficient of the temperature conductivity of snow], 19.10-432
Raschet potoka tepla v snezhnom pokrove [Computing heat currents within the snow cover], 19.10-436

Domb, Cyril
Thermodynamics of critical points, 19.12-168

Dombkovskaia, E. P.
Deshifrirovanie i sinopticheskaia interpretatsiia infrakrasnykh (IK) snimkov oblachnosti [Decoding and synoptic interpretation of infrared (IR) photographs of cloud cover], 19.5-109

Dombrovskaia, F. A.
O nekotorykh zavisimostiakh mezhdu otdel'nymi kharakteristikami termicheskogo rezhima vozdukha v kholodnyi period goda [Some relationships between individual characteristics of thermal regime of the air during the cold period of the year], 19.8-347

Dominick, Peter
Atmosphere of research, 19.3-133

Donahue, Jessie G.
Diatoms as indicators of pleistocene climatic fluctuations in the Pacific sector of the Southern Ocean, 19.6-442

Donahue, Thomas M.
Atmospheric fluorescence; a key to planetary atmospheres, 19.11-115
Discussion of an experiment to measure the polarization of dayglow Lyman alpha, 19.3-366
Ionospheric composition and reactions, 19.11-534
Upper atmosphere of Venus: a review, 19.12-592

Donaldson, J. S., *see* **Hanson, W. B.,** 19.4-188

Donaldson, Ralph J., Jr.
[Comments on] David Atlas: Balance level in convective storms (*with* **Wexler, R.**), 19.5-199
Horizontal wind measurement by Doppler radar in a severe squall line, 19.10-277

Doneaud, A.
Experimentation dans le Sud-Est Europeen d'une methode quantitative de prevision des precipitations utilisant les mouvements verticaux a grande echelle (*with others*), 19.9-218

Donle, Wilhelm
Ueberlegungen zum Saisongipfel von Krankheiten und seiner Abhaengigkeit vom Witterungsablauf [Seasonal peak of illnesses and its relationship with weather variations], 19.6-78

Donley, J. L.
Observations of the polar ionosphere in the altitude range 2000 to 3000 km by means of satellite borne electron traps, 19.8-503

Donn, William L.
Maintenance of an ice-free Arctic Ocean (*with* **Shaw, D. M.**), 19.6-285
Theory of an ice-free Arctic Ocean (*with* **Ewing, M.**), 19.11-490

Donnelly, John R., *see* **Zahner, R.,** 19.1-302

Donnelly, R. F.
Solar flare radiations responsible for sudden frequency deviations, 19.4-414

D'Onofrio, Sara, *see* **Cita, M. B.,** 19.6-437

Dordea, Angela
Determinarea sectiunilor de calcul in gospodarirea apelor [Determination of the sections used in calculation in water systems] (*with* **Filotti, A.**), 19.10-412
See also **Filotti, A.,** 19.7-361

Dore, B. D.
Viscous damping effects in long waves on the rotating Earth, 19.8-742

Dorman, L. I.
Nakhozhdenie istinnykh voln i parametrov odnovremennoi amplitudno-fazovoi moduliatsii periodicheskoi variatsii kosmicheskikh luchei po eksperimental'nym dannym o satellitakh [Detection of true waves and parameters of simultaneous amplitude-phase modulation of periodical cosmic ray variations from experimental data on satellites] [and Eng. transl.], 19.1-415
O moduliatsii registriruemoi na Zemle sutochnoi variatsii kosmicheskikh luchei [Modulation of cosmic ray diurnal variation recorded on Earth] (*with* **Fisher, S.**) [and Eng. transl.], 19.5-446
O vozrastanii intensivnosti kosmicheskikh luchei pered Forbush-effektami [Increase of cosmic

ray intensity before Forbush effects] (*with* **Kaminer, N. S.** and **Kebuladze, T. V.**) [and Eng. transl.], 19.3-443
Variation in cosmic-ray intensity at the time of a Forbush decrease (*with others*) [Transl. from Russ.], 19.1-15
Vliianie penumbry na effektivnuiu zhestkost obrezaniia kosmicheskikh luchei [Effect of the penumbra on the effective cut-off rigidities of cosmic rays] (*with* **Gushchina, R. T.**) [and Eng. transl.], 19.1-416

Doron, Eliahu
Mountain lee waves in the Middle East: theoretical calculations compared with satellite pictures (*with* **Cohen, A.**), 19.6-356

Doronin, Iu. P.
Raschet nekotorykh gidrologicheskikh kharakteristik poverkhnostnogo sloia moria v period okhlazhdeniia [Calculation of certain hydrological characteristics of the sea surface layer during the cooling period] (*with* **Smetannikova, A. V.**), 19.2-560
Termotropnaia model' prognoza polei geopotentsiala i temperatury po polusfere [Thermotropic model of forecasting fields of hemispheric geopotential and temperature] (*with* **Sokolova, E. K.**), 19.10-159
Vliianie teploobmena s okeanom na nekotorye termodinamicheskie kharakteristiki atmosfery pri kratkosrochnom prognozirovanii [Effect of heat exchange with the ocean on some thermodynamic features of the atmosphere in short range forecasting] (*with* **Koltakov, Iu. N.**), 19.10-158
Vliianie meteorologicheskikh faktorov na sroki ledoobrazovaniia [Effect of meteorological factors during periods of ice formation] (*with* **Smetannikova, A. V.**), 19.2-578

Dort, Wakefield, Jr.
Nebraskan and Kansan stades: complexity and importance, 19.2-591

Dos Santos, P. Marques, *see* **Kaufmann, P.**, 19.6-575

Dotzenko, A. D.
Effect of recreational use of soil and moisture conditions in Rocky Mountain National Park (*with* **Papamichos, N. T.** and **Romine, D. S.**), 19.6-430

Douglas, James N.
Time structure of Jupiter's decametric emission, 19.3-546

Douglas, William J.
Toxic properties of materials used in weather modification, 19.11-234

Doumani, George A.
Federal Arctic research, 19.10-36
Surface structures in snow, 19.12-399
See also **Antarctic Bibliography, Vol. 2, 1966**, 19.5-37; **Zikeev, N. T.**, 19.3-29

Doupnik, J. R.
Fluctuations of electron density in the day-time F-region (*with* **Nisbet, J. S.**), 19.12-475

Doury, L.
Retombees radioactives en France apres la seconde explosion nucleaire Chinoise: processus de transferts atmospheriques (*with* **Bourgeon, P.**), 19.11-286

Dousset, Claude, *see* **Argemi, L. H.**, 19.12-514

Dovgiallo, E. N., *see* **Barteneva, O. D.**, 19.1-8

Dovgopol, N. P., *see* **German, V. Kh.**, 19.4-624

Dowden, R. L.
Dotted pearl micropulsations, 19.8-491

Dowell, Cleo Lafoy
Dams and reservoirs in Texas: historical and descriptive information, Dec. 31, 1966 (*with* **Breeding, S. D.**), 19.1-594

Down, W. H.
Variation of the shape of cross-correlation curves with receiver separation in spaced receiver ionospheric drift measurements (*with* **Maude, A. D.**), 19.12-476

Down, William L.
Natural infrasound of five seconds period, 19.4-275

Downen, Douglas W., *see* **Cormier, R. V.**, 19.11-30

Downes, R. W.
Effect of temperature on tillering of grain sorghum seedlings, 19.8-56

Doyle, Frederick J.
Mapping of the land from space, 19.12-563

Dracup, J. A., *see* **Vemuri, V.**, 19.3-708

Draftz, Ronald G., *see* **McCrone, W.**, 19.4-13

Dragesco, Jean
Commission des Surfaces Planetaires, 19.3-560
Observations de Jupiter en 1965-1966, 19.3-565

Dragnev, T. N.
Visokoenergetichni fotoprotoni ot reaktsiiata ^{40}Ca (γ, p) ^{39}K pri $E\gamma_{max}$ = 28 i 60 MeV [High-energy photoprotons of the reaction ^{40}Ca (γ, p) ^{39}K at $E\gamma_{max}$ = 28 and 60 MeV] (*with* **Delchev, M. K.**), 19.3-422

Drake, F. D.
Improbability of non-thermal radio emission from Venus water clouds, 19.3-543
Pulse structure of the pulsating radio source in Vulpecula, 19.10-665
Rapidly pulsating radio source in Vulpecula (*with others*), 19.11-623

Drake, J. F., *see* **Piddington, J. H.**, 19.9-669

Draper, L.
Analysis and presentation of wave data: a plea for uniformity, 19.10-711
Waves at Sekondi, Ghana, 19.10-761

Drayson, S. Roland
Atmospheric absorption by carbon dioxide, water vapor and oxygen (*with* **Li, S. Y.** and **Young, C.**), 19.8-336
Calculation of long-wave radiative transfer in planetary atmospheres, 19.8-337
See also **Chaney, L. W.**, 19.2-16

Drees, Werner
Investigating the use of surface-active substances in dust control by water, 19.7-222

Dreier, A. A.
Opyt izmereniia vetrovogo volneniia pri pomoshchi napravlennoi sistemy datchikov [Experience in sea wave measurements using a directional sensor] (*with* **Koniaev, K. V.**) [and Eng. transl.], 19.5-634
See also **Morozov, V. M.**, 19.12-681

Drennan, Kirby L.
Hydrographic studies in the northeast Gulf of Mexico, 19.6-638
Investigation of sea surface temperature patterns in the Gulf of Mexico as determined by an airborne infrared sensor, 19.4-676
Drescher, James W.
Environmental influences on initiation and maintenance of hibernation in the Arctic ground squirrel, *citellus undulatus*, 19.5-351
Driatskii, V. M.
Avroral'noe pogloshchenie na stantsii Vosmok i ego sviaz' s magnitnoi aktivnost'iu [Auroral absorption event at Vostok Station and its relation to magnetic activity] (*with* **Zhigalov, L. N.**) [and Eng. transl.], 19.2-349
Avroral'noe pogloshchenie v sopriazhennykh oblastiakh vysokikh shirot [Auroral absorption in the conjugate regions of high latitudes] [and Eng. transl.], 19.1-396
Ionosfernye effekty, sviazannye s poiavleniem energichnykh elektronov v khvoste magnitosfery [Ionospheric effects connected with the appearance of electron energy in the magnetospheric tail] [and Eng. transl.], 19.5-402
Pogloshchenie tipa PCA 5 fevralia 1965 g. i ego vliianie na intensivnost' radiosignalov ionosfernogo rasseianiia v Antarktike [PCA type absorption Feb. 5, 1965 and its influence on the intensity of radio signals of ionospheric scattering in Antarctica] [and Eng. transl.], 19.1-369
Pogloshchenie tipa poliarnoi shapki v Antarktike v 1962-1965 gg [Polar cap absorption in Antarctica in 1962-1965], 19.2-30
Driga, Basarab, *see* **Gastescu, P.,** 19.1-586
Driscoll, D. M.
Synoptic aspects of mortality: a case study (*with* **Landsberg, H. E.**), 19.8-66
Drissel, J. C.
Variability in rainfall producing runoff from a semiarid rangeland watershed, Alamogordo Creek, New Mexico (*with* **Osborn, H. B.**), 19.9-858
Driving, A. Ia.
Poliarizatsionnye indikatrisy rasseianiia sveta prizemnym sloem atmosfernogo vozdukha [Polarization phase functions for light scattered by the atmospheric surface layer] (*with* **Mikhailin, I. M.** and **Rozenberg, G. V.**) [and Eng. transl.], 19.2-328
Drobyshevich, V. I.
Sviaz' statisticheskikh kharakteristik polei oblachnosti i ukhodiashchei korotkovolnovoi radiatsii [Relation between statistical characteristics of cloud field and outgoing short-wave radiation] [and Eng. transl.], 19.4-256
Drogaitsev, D. A.
Dolgosrochnyi prognoz osadkov v mae [Long range precipitation forecasts in May], 19.12-131
Drozdov, A. V.
Krupnomasshtabnaia karta potentsial'no vozmozhnoi solnechnoi radiatsii [Large-scale map of potential solar radiation], 19.12-234
Drozdov, O. A.
Izuchenie kolebanii klimata [Study of climatic fluctuations], 19.12-430
Kolebaniia urovnia ozer kak indikator klimata [Lake level fluctuation as an indicator of climate], 19.1-535
Vlagosoderzhanie atmosfery nad Tikhim okeanom [Moisture content of the atmosphere over the Pacific Ocean] (*with* **Grigor'eva, A. S.**), 19.1-274
Drozdov, V. N.
O metodike izmereniia raskhodov vody v ust'iakh besprilivnykh rek pri nagonakh i sgonakh (na primere ust'ia Dona) [Methods of discharge measurement in tideless river estuaries during on and off-shore winds as illustrated by the estuary of the Don River], 19.9-838
Drozdova, V. M.
O soderzhanii nekotorykh mikroelementov v atmosfernykh osadkakh [Content of some microelements in atmospheric precipitation] (*with* **Svistov, P. F.**), 19.12-357
Drullinger, Richard H.
Wind erosion problems and controls in the Great Lakes region (*with* **Schmidt, B. L.**), 19.10-373
Drummeter, L. F., Jr.
Relative spectral attenuation coefficients of water (*with* **Knestrick, G. L.**), 19.8-719
Drummond, A. J.
Absolute calibration of thermal radiation detectors, 19.6-141
Multichannel radiometer measurement of solar irradiance (*with others*), 19.3-85
New value for the solar constant of radiation (*with others*), 19.11-342
Solar radiation measurements on Mauna Loa, Hawaii and their bearing on atmospheric transmission (*with* **Aangstroem, A. K.**), 19.8-324
See also **Anderson, R.,** 19.10-280
Drummond, J. E., *see* **Byrne, G. F.,** 19.3-91
Druyan, Leonard M.
Comparison of low-level trajectories in an urban atmosphere, 19.12-280
Dryden, P. S.
Direct fluxometer measurements of the evaporation from a bare soil, 19.2-266
Duane, David B.
Portable Great Lakes research towers (*with* **Saylor, J. H.**), 19.6-642
Duartre, F.
Orages du 21 juin 1965 sur le Berry et le Sud Nivernais (*with* **Rignot, D.**), 19.8-312
Dubin, Maurice, *see* **United States Committee on Extension to the Standard Atmosphere,** 19.2-9
Dubina, R. B.
Raskodirovanie okeanograficheskoi informatsii s pomoshch'iu ETSVM [Decoding of oceanographic information using a digital computer] (*with* **Nikolaev, Iu. V.**), 19.3-609
Dubinsky, Juraj
Polozhenie kosmicheskogo ekvatora v oblasti nulevogo meridiana [Position of the cosmic

equator in the zero meridian regin] (*with* **Chaloupka, P.** and **Kowalski, T.**), 19.2-423

Dubko, I. V.
Opyt predstavleniia analogichnykh makrotsirkuliatsionnykh polei kolichestvennymi kharakteristikami [Expressing analogous macro-circulation fields by quantitative characteristics], 19.10-167

Duboin, M. L.
Excitation of the oxygen lines and ionospheric heating by conjugate photoelectrons (*with others*), 19.5-441

Dubois, E.
Immediately recoverable sounding vehicle for sampling and studying the local atmospheric environment (*with* **Bouscaren, R.**), 19.7-135

Dubois, J.
Some improvements in the determination of Benzo[a]pyrene in air samples (*with others*), 19.4-139

Dubov, E. E.
K voprosu o sootnosheniiakh podobiia v magnitnoi girodinamike i vozmozhnosti modelirovaniia solnechnykh iavlenii v laboratorii [On similarity relationships in magnetohydrodynamics and the possibility of simulating some solar phenomena in the laboratory], 19.10-694
Opredelenie coderzhaniia nekotorykh elementov na colntse po spektram solnechnykh piaten, III [Determination of the solar abundance of several elements using the sunspot spectra, **Pt. 3**], (*with* **Khromova, T. P.**), 19.7-701; **Pt. 4,** 19.12-625

Dubreuil, P., *see* **Hiez, G.,** 19.10-8

Dubrovin, L. I.
Nakoplenie snega na territorii Mirnogo [Snow accumulation in the Mirny area] (*with* **Valin, A. P.**) [and Eng. transl.], 19.2-296

Dubrovina, E. N.
Convective heat transfer in the supercritical region of carbon dioxide (*with* **Skripov, V. P.**) [Transl. from Russ.], 19.11-293

Dubrovina, L. S.
K metodike statisticheskogo obobshcheniia dannykh samoletnogo zondirovaniia [Methods of statistical summarization of airplane sounding data], 19.11-124
Nekotorye kharakteristiki temperatury i vysoty verkhnei granitsy oblakov po dannym samoletnogo zondirovaniia atmosfery [Some characteristics of temperature and of the height of the upper cloud boundary according to airplane soundings of the atmosphere], 19.7-394
Nekotorye kharakteristiki vodnosti oblakov nad territoriei SSSR [Some characteristics of the water content of clouds over the U.S.S.R.], 19.7-386
Vodnost' oblakov nad Moskvoi [Water content of clouds over Moscow], 19.7-387

Duce, R. A., *see* **Woodcock, A. H.,** 19.8-766

Duchon, Claude E.
Techniques for evaluating meteorological aircraft data, 19.12-77
See also **Eddy, A.,** 19.12-1

Duckham, A. N.
Weather and farm management decisions, 19.7-53

Dudkina, V. P., *see* **Chavdarov, S. S.,** 19.1-365; **Chernysheva, S. P.,** 19.5-398

Duerr, Fritz
Raumfahrt und Geowissenschaften [Space flight and Earth sciences], 19.3-80

Duetsch, H. U.
Measurement of atmospheric ozone, 19.9-207

Duffus, H. J.
Association between ULF geomagnetic fluctuations and Doppler ionospheric observations (*with* **Boyd, G. M.**), 19.8-504

Dufour, L.
Aerosol atmospherique, 19.9-260

Dufour, Stuart W., *see* **Colin, L.,** 19.9-288

Dugan, James
World beneath the sea (*with others*), 19.8-31

Duggal, S. P., *see* **Nagashima, K.,** 19.6-525

Duggleby, J. C., *see* **Bonnyman, J.,** 19.1-56

Dukes, T. P., *see* **Waller, R. A.,** 19.11-414

Dulk, George A.
Apparent changes in the rotation rate of Jupiter, 19.1-471
Size of Jupiter's decametric radio source (*with* **Rayhrer, B.** and **Lawrence, R.**), 19.4-570

Dumas, P., *see* **Barbe, G. D.,** 19.8-389; 19.9-271

Dumas, R., *see* **Favre, S.,** 19.10-326

Dumont, Simone
Contribution a l'etude de la zone de transition entre la photosphere et la chromosphere a partir des raies de resonance de Ca II et Mg II, 19.5-597
Quelques remarques sur la formation des raies de Ca II et de Mg II dans la basse chromosphere, 19.12-656

Dunaeva, A. V.
Improvement of snow-survey methods [Transl. from Russ.], 19.8-449

Dunbar, Moira
Mezhdunarodnaia ledovaia nomenklatura (Po povodu stat'i V. L. Tsurikova) [International ice nomenclature (in connection with V. L. Tsurikova)] [and Eng. transl.], 19.10-770
Monthly and extreme limits of ice in the Bering Sea, 19.12-755

Duncan, C. P.
Eddy in the subtropical convergence southwest of South Africa, 19.6-669

Dunckel, Michael
Eine Apparatur zur Messung des vertikalen Wind-, Temperatur- und Feuchteprofils ueber dem Ozean [Instrumentation for wind-, temperature-, and humidity profile measurements at sea], 19.1-68

Dunford, E.
Relationship between the ionospheric equatorial anomaly and the E-region current system, 19.4-415

Dungey, J. W.
Hydromagnetic waves, 19.12-545
Lunar magnetic tail and wake (*with* **Zhulin, I. A.**), 19.7-655
Polar substorms: theoretical review, 19.9-611

Reconnection model of the geomagnetic tail, 19.1-430
Theory of the quiet magnetosphere, 19.8-581
Dunkle, William M.
Instructions for the preparation of summary reports of research cruises, dives, and flights for Woods Hole Oceanographic Institution vessels and aircraft, 19.8-710
See also **Bumpus, K.**, 19.5-618
Dunn, Gordon E.
Florida hurricanes, 19.7-288
Dunn, Roy Sylvan
Drought in Texas, 19.10-422
Durairatnam, M.
Studies on the seasonal cycle of sea surface temperatures, salinities and photoplankton in Puttalam Lagoon, Dutch Bay and Portugal Bay along the west coast of Ceylon, 19.7-748
Durgaprasad, N.
Confinement of cosmic-ray nuclei in ionized source regions and interstellar medium, 19.8-565
Solar modulation of cosmic rays and its relationship to proton and helium fluxes, interstellar travel, and interstellar secondary production (*with* **Fichtel, C. E.** and **Guss, D. E.**), 19.1-410
Durney, B.
Convective spherical shell, **Pt. 1**, 19.12-179; **Pt. 2**, 19.12-182
Durum, Walton H.
Geochemistry of water (*with* **Hem, J. D.**), 19.4-739
See also **Wilcox, L. V.**, 19.7-860
Dute, John C., *see* **Elder, F. C.**, 19.9-163
Duthie, J. G.
Optical pulse of a periodic radio star (*with* **Sturch, C.** and **Hafner, E. M.**), 19.10-666
Du Toit, P. S.
Doppler radar observation of drop sizes in contInous rain, 19.3-301
Dutt, J. C.
Seasonal variation of cosmic ray intensity at a depth of 60 m.w.e. underground in London (*with* **Thambyahpillai, T.**), 19.6-521
Dutton, John A.
Belling the CAT in the sky, 19.4-29
Theory of available potential energy and a variational approach to atmospheric energetics (*with* **Johnson, D. R.**), 19.1-171
Duvanin, Aleksandr Ivanovich
Volnovye dvizheniia v more [Wave movements in the sea], 19.11-22
Duxbury, Alyn C.
Coastal survey, Columbia River effluent region, 19.9-787
Dvoriashin, A. S.
Solnechnyi veter i udarnaia volna, rasprostraniaiushchaiasia ot vspyshek cherez mezhplanetnoe prostravstvo [Solar wind and the shock wave propagating from flares through interplanetary space], 19.12-553
Dwyer, James F., *see* **AFCRL Scientific Balloon Symposium, 4th, Portsmouth, Sept. 1966**, 19.5-89
Dwyer, Walter A.
Work of the CAeM [Commission of Aeronautical Meteorology], 19.9-83
Dydina, L. A.
Some characteristics of the regime of strong winds in the Arctic in connection with types of synoptic processes [Transl. from Russ.], 19.11-398
Dye, J. E.
Influence of environmental parameters on the freezing and fragmentation of suspended water drops (*with* **Hobbs, P. V.**), 19.2-271
Dye, Lucius W.
Tornado summary for 1967, 19.9-149
Dyer, A. J.
Combined water and energy balance study at Katherine, North Territory, 19.8-402
Radioactive fallout from the French 1966 Pacific tests (*with* **Hicks, B. B.**), 19.7-256
Turbulent transport of heat and water vapour in an unstable atmosphere, 19.4-287
See also **Swinbank, W. C.**, 19.3-357
Dyer, Kenneth L.
Sea water intrusion in to a fresh water forebay due to wave action (*with* **Behnke, J. J.**), 19.7-751
Dykins, J. E.
Tensile properties of sea ice grown in a confined system, 19.12-756
Dylis, N., *see* **Sukachev, V.**, 19.7-74
Dyrness, C. T., *see* **Rothacher, J.**, 19.11-798
Dyrssen, David
Alkalinity and total carbonate in sea water: a plea for p-T-independent data (*with* **Sillen, L. G.**), 19.6-661
Dyson, P. L.
Electron densities and scale heights in the midlatitude topside ionosphere, 19.4-416
Topside refractive irregularities and travelling ionospheric disturbances, 19.2-350
Topside spread F at midlatitudes, 19.7-502
Dzektser, E. S., *see* **Il'in, N. I.**, 19.7-820
Dzhafarov, B. S., *see* **Rustamov, S. G.**, 19.11-475
Dzhgamadze, O. S.
Oblachnaia kamera dlia issledovaniia l'doobrazuiushchei aktivnosti aerozolei [Cloud chamber for studying the ice-producing activity of aerosols] (*with* **Kartsivadze, A. I.**), 19.6-367
Dziewulska-Losiowa, Aniela
Z wynikow obserwacji nad ozonem atmosferycznym w Belsku, 1963-1966 [Results of atmospheric ozone measurements at Belsk, 1963-1966], 19.9-287
Dziuban, N. A.
Nekotorye osobennosti gidrologicheskogo rezhima i biologicheskikh protsessov v Cheremshanskom zalive Kuibyshevskogo vodokhranilishcha [Some features of the hydrological regime and biological processes in Cheremshan Bay of Kuibyshev Reservoir] (*with* **Eliseev, A. I.**), 19.6-778

E

- **ESSA World, [Rockville, Md.]**
  - Big job for a small buoy, 19.3-67
  - Greatest storm on Earth, 19.3-131
  - World of the Islands, 19.3-129
- **Eagleman, Joe R.**
  - Tornado damage patterns in Topeka, Kansas, June 8, 1966 [Comments by L. A. Hughes], 19.9-347
- **Eagleson, Peter S.**
  - Optimum density of rainfall networks, 19.3-62
  - *See also* **Grace, R. A.,** 19.10-790
- **Earp, C. W.**
  - Automatic suppression of errors due to diurnal and seasonal variations of propagation, in omega receivers, 19.10-523
- **Easterling, M.**
  - Effect of the interplanetary medium on S-band telecommunications (*with* **Goldstein, R.**), 19.8-643
- **Eather, R. H.**
  - Auroral proton precipitation and hydrogen emissions, 19.3-372
  - Some recent results on the measurement of hydrogen and helium emissions in the auroral zone, 19.10-572
  - Spectral intensity ratios in proton-induced auroras, 19.4-468
  - *See also* **Reasoner, D. L.,** 19.12-516
- **Eaton, K. J.,** *see* **Newberry, C. W.,** 19.11-410
- **Ebdon, R. A.**
  - Lower stratospheric wind and temperature distributions, 19.8-358
- **Ebel, A.**
  - Der Einfluss von Ionosphaerenmodellen auf die vereinfachte Bestimmung der integralen Elektronendichte aus der Faraday-Rotation [Influence of ionospheric models on simplified determination of integral electron density from Faraday rotation], 19.1-370
- **Eberly, Donald L.**
  - Design and evaluation of randomized wintertime cloud seeding at high elevation (*with* **Robinson, L. H.**), 19.7-207
- **Eberstein, Igor J.**
  - Use of pulsed laser to study smoke distribution in jet, 19.4-180
- **Eccles, D.**
  - Quick method of using topside ionograms for ionospheric investigations, 19.2-351
  - *See also* **King, J. W.,** 19.7-519
- **Echigo, Ryozo**
  - Evaluation of band emissivities of carbon dioxide and water vapour (*with* **Nishiwaki, N.** and **Hirata, M.**), 19.5-277
- **Eckel, Othmar**
  - Ueber die vertikale Temperaturverteilung im Traunsee [Vertical temperature distribution in the Traunsee], 19.4-742
- **Eckhoff, Hans Kr.,** *see* **Elgaroey, O.,** 19.6-573
- **Ecklund, W. L.**
  - On the origin of the radio aurora (*with* **Gadsden, M.**), 19.3-405
  - Some measurements of auroral absorption structure over distances of about 300 km and of absorption correlation between conjugate regions (*with* **Hargreaves, J. K.**), 19.6-511
  - *See also* **Leinbach, H.,** 19.9-593
- **Ecuador. Servicio Nacional de Meteorologia e Hidrologia**
  - Anuario Hidrologico, No. 4, 1966, 19.9-47
  - Anuario Meteorologico, No. 6, 1966, 19.9-43
- **Eddy, Amos**
  - Statistical evaluation of surface wind strip chart data (*with* **Hsu, S. A.**), 19.12-281
  - Variance spectrum analysis (*with* **Duchon, C. E.** and **Almazan, J. A.**), 19.12-1
- **Eddy, John A.**
  - Observations of the emission lines of Fe XIII during the solar eclipse of May 30, 1965 (*with* **Malville, J. M.**), 19.2-513
- **Edelson, Edward**
  - Puzzle of the missing neutrinos, 19.8-564
- **Edelstein, Max W.,** *see* **Gentry, R. C.,** 19.11-213
- **Eden, Henry Francis**
  - Acoustic effects of internal waves in the ocean (*with* **Mohr, M.**), 19.5-645
- **Edgerton, A. T.,** *see* **Kennedy, J. M.,** 19.6-142
- **Edgerton, Catharine Fean**
  - Relationship between meteorological conditions and optical properties of the atmosphere, 19.9-551
- **Edgerton, Harold E.**
  - Sonic detection of a fresh water-salt water interface, 19.5-703
- **Edminster, Talcott W.,** *see* **Hagan, R. M.,** 19.7-19
- **Edney, E. B.**
  - Impact of the atmospheric environment on the integument of insects, 19.6-450
- **Edwards, G. R.**
  - Ice nucleation by silver iodide, Pt. 3 (*with* **Evans, L. F.**), 19.7-208
- **Edwards, Paul J.**
  - Upper limits to the hard X-ray flux from the Quiet Sun and Jupiter (*with* **McCracken, K. G.**), 19.7-671
- **Efanov, V. A.,** *see* **Moiseev, I. G.,** 19.12-582
- **Efimov, A. I.,** *see* **Iakovlev, O. I.,** 19.11-613
- **Efimov, Iu. E.**
  - Izmerenie potoka nadteplovykh neitronov v verkhnikh sloiakh atmosfery metodom aktivatsii indiia [Measurement of above thermal neutron stream in the upper layers of the atmosphere by the method of indium activation] (*with* **Romanov, A. M.**) [and Eng. transl.], 19.2-424
- **Efimov, N. N.**
  - EAS frequency during periods of various effects in the intensity of intermediate-energy cosmic rays (*with others*) [Transl. from Russ.], 19.1-15
  - Metodika ucheta atmosfernykh effektov pri issledovanii zvezdno-sutochnykh variatsii SHAL kosmicheskikh luchei [Method of allowing for atmospheric effects in investigating stellar diurnal variations of extensive cosmic ray showers] [and Eng. transl.], 19.1-417

Efimov, P. L.
  Opyt zondirovaniia nizhnego trekhkilometrovogo sloia atmosfery radiozondom A-58 [Sounding the lower 3-kilometer layer of the atmosphere with the A-58 radiosonde], 19.9-190
  State and development trends of aerological observations [Transl. from Russ.], 19.8-135
Efimova, N. A.
  Karty radiatsionnogo balansa uvlazhnennoi poverkhnosti [Charts of the radiation balance of humid surfaces], 19.10-283
Efimova, Z. A., *see* **Makarevich, T. N.,** 19.5-723
Egan, W. G.
  Polarimetry signature of terrestrial and planetary materials (*with* **Hallock, H. B.**), 19.11-646
Egeland, Alv
  Simultaneous ground and satellite recordings at high latitudes of the enhanced electromagnetic band emission between 500 and 1,000 Hz (*with* **Holtet, J.**), 19.11-592
  Statistical study of Carl Stoermer's height measurements of aurora borealis (*with* **Omholt, A.**), 19.4-471
Egorikhin, V. D., *see* **Filippov, D. M.,** 19.1-540
Egorov, V. V.
  Development of soil science in the USSR [Transl. from Russ.], 19.12-33
Ehhalt, D., *see* **Zimmermann, U.,** 19.10-801
Ehrenspeck, H. W.
  High-gain UHF backfire antenna for communications, telemetry, and radio astronomy, 19.6-571
Ehrhardt, Jean Paul
  Contribution a l'etude du plancton superficiel et sub-superficiel du canal de Sardaigne et de la mer Sub-Tyrrhenienne: campagne de l'"Origny," du 15 septembre au 19 octobre 1963 [Pts. 1-3], 19.4-608
Ehrlich, Eugene
  Future potentials of navigation satellites, 19.9-90
Eiben, K.
  Solvated electron spectrum in irradiated ice (*with* **Taub, I. A.**), 19.7-764
Eichelbrenner, E. A.
  Three-dimensional turbulent boundary layers with heat transfer at the wall, 19.10-232
Eifuku, Y.
  Motion of the northwest monsoon as detected by weather radar (*with* **Arakawa, H.**), 19.2-245
Einsle, E.
  Der Jahres- und Tagesgang der Einfallsrichtung von Atmospherics in Potsdam [Annual and diurnal variations of angles of incidence of sferics in Potsdam], 19.1-355
Eisenberg, D., *see* **Coulson, C. A.,** 19.6-707
Eisenbud, Merril
  Sources of radioactive pollution, 19.8-275
Ekanayake, L. A. D. I.
  Cyclone over Ceylon, Dec. 1964, 19.10-254
Ekern, P. C., Jr.
  Soil and cultural factors affecting evapotranspiration (*with* **Robins, J. S.** and **Staple, W. J.**), 19.7-369
Ekers, R. D., *see* **Moffet, A. T.,** 19.11-626; **Roberts, J. A.,** 19.7-649
Eklund, F., *see* **Ottersten, H.,** 19.10-92
Elakhovskii, S. B.
  Metodika opredeleniia effektivnosti ucheta gidrologicheskikh prognozov pri naznachenii rezhimov GES [Method of determining the effectiveness of considering hydrological forecasts when assigning hydroelectric station regimes], 19.3-111
Elam, Allen B., Jr., *see* **Ligon, J. T.,** 19.4-367
Elder, Floyd C.
  Meteorological data acquisition system (*with* **Soo, H. K.** and **Dute, J. C.**), 19.9-163
  See also **Bellaire, F. R.,** 19.12-71; **Soo, H. K.,** 19.12-79
Elder, J. W.
  Thermal turbulence in forced convection, 19.10-233
Elder, R. A.
  Capabilities and potential of USAEC's current meter for ultra-low-velocity measurements (*with* **Vigander, S.**), 19.9-813
El Din, S. H. Sharaf, *see* **Sharaf El Din, S. H.**
Electromagnetic Research Corp., College Park, Md., *see* **Katzin, M.,** 19.6-140
Eleman, Folke
  Studies of giant pulsations, continuous pulsations, and pulsation trains in the geomagnetic field, 19.5-495
Elfimov, G. I., *see* **Lel'chuk, V. L.,** 19.11-297
Elford, C. Robert
  Climate of Placer County (*with* **Stilz, J.**), 19.10-458
Elgaroey, Oeystein
  On the active region corona and the interpretation of type I bursts (*with* **Eckhoff, H. K.**), 19.6-573
Elges, E., *see* **Deleanu, M.,** 19.11-518
El Goresy, Ahmed
  Electron microprobe analysis and microscopic study of polished surfaces of magnetic spherules and grains collected from the Greenland ice, 19.6-725
El'iasberg, P. E.
  Introduction to the theory of flight of artificial Earth satellites [Transl. from Russ.], 19.5-5
Eliseev, A. I., *see* **Dziuban, N. A.,** 19.6-778
Eliseeva, L. A.
  Ionosfernye vozmushcheniia ot oblastei s protonnymi i neprotonnymi vspyshkami [Ionospheric disturbances from regions with proton and non-proton flares], 19.11-679
  Sviaz' radiovspleskov III tipa s rentgenovskim izlucheniem solnechnykh vspyshek [The connection between type III radio bursts and the X-ray radiation of solar flares], 19.7-315
Ellerton, G. C., Jr.
  Problems encountered in the development of the Stratoscope II flight system (*with* **Jackson, J. P.**), 19.5-95
Elliott, A.
  Diurnal distribution of rainfall at Port Vila, New Hebrides, 19.7-413
Elliott, Robert D.
  Design of an orographic cloud seeding test program, 19.11-235

  Weather modification in the Southern Sierras (*with* **Lang, W. A.**), 19.6-189
  See also **Brown, K. J.**, 19.11-229

llis, D. V., *see* **Haymes, R. C.**, 19.8-641

llis, G. R. A.
  Frequency splitting of solar radio bursts (*with* **McCulloch, P. M.**), 19.5-546

llis, Howard T., *see* **Stair, R.**, 19.12-239

llis, W. R.
  Investigation of water flow through porous mediums by means of radiotracers (*with* **Kevi, L.** and **Wiebenga, W. A.**), 19.9-868

llison, M. A.
  Solar activity, 19.8-670

llison, T. H., *see* **Charnock, H.**, 19.8-244

llsaesser, Hugh W.
  Comparative test of wind laws for numerical weather prediction, 19.9-240
  Diagnosis of early baroclinic NWP models, 19.7-169

lrick, D. E.
  Soil water movement: theory and applications, 19.4-770

l-Sabh, Mohamed Ibrahim
  Effect of the Aswan High Dam on the distribution of salinity in the Suez Canal, 19.11-735

lsberry, Russell, *see* **Kraus, E. B.**, 19.5-625

lste, Guenther
  Comments on the Bilderberg Continuum Atmosphere, 19.7-688

mel'ianov, Iu. M., *see* **Nekrasov, V. I.**, 19.11-662

miliani, Cesare
  Pleistocene record of the Atlantic and Pacific Oceanic sediments; correlations with the Alaskan stages by absolute dating; and the age of the last reversal of the geomagnetic field, 19.7-767

ndlich, Roy M.
  Forecasting clear-air turbulence by computer techniques (*with* **Mancuso, R. L.**), 19.11-191
  Iterative method for altering the kinematic properties of wind fields, 19.2-66
  Objective analysis of environmental conditions associated with severe thunderstorms and tornadoes (*with* **Mancuso, R. L.**), 19.10-267
  See also **Viezee, W.**, 19.9-215

ndo, Kichiro
  Effects of atmosphere on fatigue crack propagation (*with* **Komai, K.** and **Furukawa, O.**), 19.4-47

ndo, Yasoichi, *see* **Watanabe, O.**, 19.9-804

ngel, I.
  Currents in the Eastern Mediterranean, 19.3-648

ngels, Kaspar
  Practical experiences with mixing of fine dusts, 19.7-79

nger, Isadore, *see* **Reilly, A. E.**, 19.10-696

ngler, Joachim
  Moderne Probleme der Flugwetterberatung [Modern problems of flight weather briefing], 19.8-190

ngler, Nicholas A.
  Report on high altitude ROBIN flights Oct. 1966, 19.7-103
  Wind detail from falling spheres, 19.10-88
  See also **Luers, J.**, 19.2-67

English, Marianne
  New program for the calculation of hail growth, 19.6-428

Engvold, Oddbjorn
  Measurements of the center-limb variation in the H- and K-lines of CaII in undisturbed and active regions on the Sun, 19.3-605
  On the center-limb variation of the H- and K-lines of CaII, 19.3-602
  On the K line of CaII in sunspots, 19.6-629

Enukashvili, I. M.
  K voprosu kineticheskoi teorii koaguliatsii s uchetom kondensatsionnogo rosta oblachnykh chastits [Kinetic coagulation theory, taking into account condensation growth of cloud particles], 19.6-368
  O kineticheskoi teorii koaguliatsii v atmosfernykh oblakakh [Kinetic theory of coagulation in atmospheric clouds], 19.6-369
  O koaguliatsii v smeshannykh atmosfernykh oblakakh [Coagulation in mixed atmospheric clouds], 19.6-370
  O vliianii izmeneniia skorosti voskhodiashchikh potokov s vysotoi na kinetiku koaguliatsii v prostranstvenno-neodnor odnykh oblakakh [Effects of altitude-dependent variations in the velocity of ascending flows on the coagulation kinetics in spatially inhomogeneous clouds], 19.6-371

Epifanov, V. F.
  Obrazovanie vnutrivodnogo l'da na Gor'kovskom vodokhranilishche [Formation of bottom ice in the Gorki Reservoir] (*with* **Iaroslavtsev, N. A.**), 19.5-727
  Termicheskii rezhim Gor'kovskogo vodokhranilishcha [Thermal regime of the Gorki Reservoir], 19.4-273

Epstein, E.
  Chlorinated insecticides in runoff water as affected by crop rotation (*with* **Grant, W. J.**), 19.12-812

Epstein, Edward S.
  On the correspondence between theory and practice in probability forecasts, 19.12-116
  See also **Murphy, A. H.**, 19.2-120, 19.3-130

Epstein, Eugene E.
  Mars, Jupiter, and Saturn: 3.4-mm brightness temperatures, 19.10-685

Epstein, M.
  Digital hyperbolic chirp generator for oceanographic applications (*with* **Harris, B.**), 19.7-725

Epstein, Samuel S.
  Oxygen- and hydrogen-isotope variations in a firn core, Eights Station, western Antarctica (*with* **Sharp, R. P.**), 19.2-299
  Photodynamic assay of neutral subfractions of organic extracts of particulate atmospheric pollutants (*with* **Mantel, N.** and **Stanley, T. W.**), 19.6-95

Erasov, N. V., *see* **Cherkasov, P. A.**, 19.6-714

Eremeeva, G. V.
  Uchet sezonnoi izmenchivosti pri raschete tsirkuliatsii baroklinnogo sloia okeana [The considerations of seasonal variability in the

computation of the circulation of the baroclinic ocean layer], 19.4-649

Erickson, Wayne D., *see* **Zoby, E. V.,** 19.8-495

Ericson, David B.
- Ever-changing sea (*with* **Wollin, G.**), 19.9-42

Eriksen, G., *see* **Maltby, P.,** 19.5-590

Eriksson, Erik
- Account of the major pulses of tritium and their effects in the atmosphere [Comments by A. E. Bainbridge], 19.9-255
- Air-ocean-icecap interactions in relation to climatic fluctuations and glaciation cycles, 19.12-431
- Isotopes in hydrometeorology, 19.12-377

Eritsian, O. S.
- Obobshchenie formul Frenelia na sluchai granitsy razdela izotropnoi sredy s girotropnym ferrodielektrikom [Generalization of Frenel's formulae for the case of interface between an isotropic medium and a girotropic ferrodielectric], 19.2-62

Eriushev, N. N., *see* **Gopasiuk, S. I.,** 19.10-701

Ermakov, V. F., *see* **Vialov, S. S.,** 19.11-770

Ermakov, V. M.
- Gidrodinamicheskaia model' sezonnykh perestroek v stratosfere vysokikh shirot [Hydrodynamic model of seasonal change over in high latitude stratosphere] (*with* **Trubnikov, B. N.**), 19.10-202

Ermini, V.
- Analisi oraria della precipitazione al Pian Rosa (Cervino), 19.5-305

Ermoshina, L. I.
- O kondensatsionnom roste kapli na gigroskopicheskoi chastitse [Condensation growth of a drop on a hygeoscopic particle] (*with* **Lebedev, S. L.**), 19.5-286
- O vliianii poverkhnostno-aktivnykh veshchestv na isparenie kapel' vody [Effect of surface-active substances on the evaporation of water droplets], 19.5-282
- Primenenie potochnykh lovushek dlia zabora prob tumana v kamerakh [Use of flow traps for fog sampling in chambers] (*with* **Smirnov, V. V.**), 19.8-152
- *See also* **Volkovitskii, O. A.,** 19.11-316

Eroshenko, E. G., *see* **Zhuzgov, L. N.,** 19.11-645

Ershkovich, A. I.
- Perenos zariazhennykh chastits v pole magnitnogo dipolia pod deistviem vozmushchaiushchikh elektromagnitnykh impul'sov [Transfer of charged particles in the field of a magnetic dipole under the action of disturbing electromagnetic pulses] (*with others*) [and Eng. transl.], 19.4-530

Ertel, Hans
- Die Daempfung der Meereswellen durch litorale Tangwiesen [Wave damping by littoral sea-weed beds], 19.11-740
- Einfluss der Windes auf die Wassermenge eines Flusses [Effect of wind on the discharge of a river], 19.1-266
- Vorticity als horizontale Scherung auf einem laengs geodaetischer Linien ueberstroemten Gebirgskamm [Vorticity as horizontal shear along geodetic lines flowing over a mountai ridge], 19.6-241

Esbensen, S., *see* **Bonner, W. D.,** 19.9-463

Eshleman, V. R.
- Radar astronomy, 19.2-485

Eslinger, Carl
- Ground station for the Nimbus weather satellit Automatic Picture Transmission System (*wit* **Tchen, S.**), 19.12-84

Esogbue, Austin, *see* **Hall, W. A.,** 19.11-795

Espildora, B., *see* **Amorocho, J.,** 19.10-435

Espinosa, Miguel Perez, *see* **Perez Espinosa, Migue**

Essenwanger, O. M.
- Wind profile climatology of New Orleans Louisiana (*with* **Reisig, G. H. R.**), 19.3-232

Essex, Elizabeth A.
- Frequency and spatial correlations of fadin radio echoes from the ionosphere (*with* **Hibberd, F. H.**), 19.12-66

Esterbrook, Calvin C.
- Some Doppler radar measurements of circulation patterns in convective storms, 19.2-71

Estoque, Mariano A.
- Approximation to boundary layer wind profiles, 19.6-321
- Hurricane studies, Pt. 1-2 (*with* **Fernandez-Partagas, J. J.**), 19.10-260
- Relationship between the tangential wind field and the transverse circulations of tropical cyclones, 19.4-230

Estur, P.
- Navigation et cyclones: ocean Atlantique, 8 au 18 septembre 1967, 19.10-255

Etkin, B.
- Problems of flight in low level turbulence (*with* **Clodman, J.**), 19.1-48

Evans, Charles
- Sodium D lines in comet 1965-f near perihelion passage (*with* **Malville, J. M.**), 19.5-586

Evans, Dallas E.
- Vacuum environment in space (*with* **Hall, F. G.**), 19.2-462

Evans, David S.
- Observations of a near monoenergetic flux of auroral electrons, 19.7-547
- Rocket observations of low energy auroral electrons, 19.2-397

Evans, G. Clifford
- Model and measurement in the study of woodland light climates, 19.2-192

Evans, Harry L.
- Laminar boundary-layer theory, 19.12-4

Evans, J. E.
- Recent results from satellite measurements of low-energy particles precipitated at high latitudes (*with others*), 19.5-517
- *See also* **Johnson, R. G.,** 19.2-399

Evans, J. V.
- Ground-based measurements of atmospheric and ionospheric particle temperatures, 19.8-86
- Heating of the protonosphere, 19.9-289
- Midlatitude electron and ion temperatures at sunspot minimum, 19.3-379
- Midlatitude F-region densities and temperatures at sunspot minimum, 19.3-380

  - Radar astronomy (*with* **Hagfors, T.**) (*eds.*), 19.12-8
  - Sunrise behavior of the F layer at midlatitudes, 19.12-477
  - Thermal structure of the temperate latitude ionosphere (*with* **Mantas, G. P.**), 19.9-577
  - *See also* **Hagfors, T.**, 19.12-584; **Rogers, T. F.**, 19.11-103
- **vans, K.**
  - X-ray emission spectrum of a solar active region (*with* **Pounds, K. A.**), 19.12-651
- **vans, L. F.**, *see* **Edwards, G. R.**, 19.7-208
- **vans, R. G.**
  - Oceanographic data AGOR cruise 046608 (MILOC 66) USNS James M. Gillis (T-AGOR4) (*with* **Hawkins, L. K.**), 19.12-671
- **vans, W. F. J.**
  - Altitude profile of the infrared atmospheric system of oxygen in the dayglow (*with others*), 19.8-329
- **vteev, B. F.**, *see* **Imianitov, I. M.**, 19.9-186
- **vteev, S. A.**
  - Predvaritel'nye itogi gliatsiologicheskikh rabot v raione amerikanskoi antarkticheskoi stantsii Mak-Merdo v 1960-1961 gg [Preliminary results of glaciological work in the American Antarctic McMurdo Station area in 1960-1961], 19.3-668
- **vteeva, K. A.**, *see* **Andreeva, S. I.**, 19.1-350, 351
- **wing, Karen J.**, *see* **Noble, V. E.**, 19.4-274
- **wing, Maurice**, *see* **Donn, W. L.**, 19.11-490; **Latham, G. V.**, 19.2-172
- **yre, L. Alan**
  - Concept of water surplus and water deficit and its usefulness in Caribbean climatology, 19.12-439
- **yre, S. R.**
  - Vegetation and soils, 19.10-2

F

- **abian, P.**
  - Eine Abschaetzung der raeumlichen Ausdehnung einheitlicher Luftpakete in der unteren Stratosphaere aus Gesamtozonmessungen an 10 europaeischen Stationen [Estimating the spatial distribution of homogeneous air parcels in the lower stratosphere on the basis of total ozone measurements at 10 European stations], 19.8-263
  - Stratospheric residence time and interhemisphere mixing of strontium 90 from fallout in rain (*with* **Libby, W. F.** and **Palmer, C. E.**), 19.11-287
- **abuss, Bela M.**
  - Investigation of calcium sulfate precipitation (*with others*), 19.8-725
- **acilities for Atmospheric Research, [Boulder, olo.]**
  - Instrumenting the Sea Breeze Project, 19.5-245
  - NCAR ice nucleus counter, 19.5-135
- **acy, L.**
  - Sondages acoustiques de la haute atmosphere, 19.8-83
- **adeeva, I. P.**
  - K voprosu o prognoze znaka anomalii srednei mesiachnoi temperatury vozdukha v Kazakhstane [Forecasting the sign of anomaly of mean monthly air temperature in Kazakhstan], 19.11-184
- **Fadiushina, N. N.**, *see* **Bachurina, A. A.**, 19.5-147
- **Faelthammar, C. G.**, *see* **Rostoker, G.**, 19.11-568; 19.12-526
- **Faer, Iu. N.**, *see* **Chavdarov, S. S.**, 19.2-344
- **Fagela, Estrella B. Alabastro**
  - Laminar gas jet impinging on an infinite liquid surface (*with* **Hellums, J. D.**), 19.8-280
- **Fagot, Martin G.**, *see* **Oser, R. K.**, 19.2-534
- **Fahlbusch, Friedrich**
  - Hydrologische Untersuchungen im Zusammenhang mit der Planung einer Talsperre in Beirut, Libanon [Hydrological research in connection with the planning of a dam at Beirut, Lebanon], 19.4-768
- **Fahleson, U.**
  - Discussion of laboratory experiments of interest for space physics (*with others*), 19.1-155
  - Laboratory experiments with plasma flow past unmagnetized obstacles, 19.3-503
  - Theory of electric field measurements conducted in the magnetosphere with electric probes, 19.3-504
- **Fairbourn, M. L.**, *see* **Hanks, R. J.**, 19.6-362
- **Fairbridge, Rhodes W.**
  - Encyclopedia of atmospheric sciences and astrogeology (*ed.*), 19.4-1
- **Fairchild, John C.**
  - Correlation of littoral transport with wave energy along shores of New York and New Jersey, 19.5-691
- **Faire, A. C.**
  - Recent density, temperature and pressure results obtained at White Sands Missile Range compared with IQSY results (*with* **Champion, K. S. W.**), 19.8-217
- **Fairfield, D. H.**
  - Ordered magnetic field of the magnetosheath, 19.5-467
  - *See also* **Anderson, K. A.**, 19.7-611
- **Fairhall, A. W.**, *see* **Gudiksen, P. H.**, 19.12-199; **Schell, W. R.**, 19.10-227
- **Faith, Larry E.**
  - Particle precipitation by space charge in tubular flow (*with others*), 19.6-391
- **Falchi, A.**
  - Corona at the total solar eclipse of Feb. 25, 1952, Pt. 2 (*with* **Falciani, R.** and **Rigutti, M.**), 19.1-508
- **Falciani, R.**
  - Photometric analysis of solar flares (*with* **Righini, A.** and **Rigutti, M.**), 19.9-707
  - *See also* **Falchi, A.**, 19.1-508
- **Fal'kovich, A. I.**
  - Chislennoe reshenie uravnenii modeli tsirkuliatsii v nizkikh shirotakh [Numerical solution of equations in a circulation model for low latitudes] [and Eng. transl.], 19.1-184
  - *See also* **Dobryshman, E. M.**, 19.3-174
- **Faller, Alan J.**
  - Experimental laboratory studies related to oceanic circulations, 19.4-611

Instability of the Ekman spiral with applications to the planetary boundary layers (*with* **Kaylor, R.**), 19.10-370

Faller, James E., *see* **Hiei, E.,** 19.12-617

Fan, A. A.

O graduirovke teplomerov v estestvennykh usloviiakh [Calibration of heat gages under natural conditions], 19.4-105

Fan, C. Y.

Primary cosmic-ray electron energy spectrum from 10 to 40 MeV (*with others*), 19.7-567

Fan, S. S. T.

Nonsteady compressible flow through anisotropic porous mediums with particular reference to snow (*with* **Yen, Y. C.**), 19.12-400

Fannin, B. M., *see* **Tucker, A. J.,** 19.12-56

Fanselau, Gerhard

Classification of days, 19.7-604

Einige Bemerkungen zur kleinregionalen Veraenderlichtkeit von Sq [Some remarks on small region variability of Sq], 19.7-596

Physical aspect of pc 3 and pc 4, 19.11-577

Die Registrierung der geomagnetischen Ost-West-Komponente und ihre Bedeutung fuer die ssc Morphologie [Recording geomagnetic east-west components and their role in ssc morphology] (*with* **Grafe, A.**), 19.7-603

Die Sonnenfleckenabhaengigkeit von L [Sunspot relationship with L], 19.7-595

Zur Feinstruktur der geomagnetischen Pulsationen pc 3 [Fine structure of geomagnetic Pc 3 pulsations], 19.3-477

Fantuzi, Angelo

Sull'impiego pratico del radar meteorologico, 19.2-72

Faraponova, G. P., *see* **Timanovskaia, R. G.,** 19.10-286

Farkas, Olga (Takacs)

Kulonbozo egtajiranyu fuggoleges feluletekre eso napsugarzas [Insolation on vertical surfaces of different orientation] (*with* **Zemplenyi, Z.**), 19.12-225

Farley, D. T.

Temperature and composition of the equatorial ionosphere (*with others*), 19.4-417

Farlow, Neil H.

Electron microscope studies of particles on sampling surfaces recovered from space with sounding rockets, 19.12-609

See also **Ferry, G. V.,** 19.9-692

Farm Journal, [Philadelphia]

Weather forecasts just for farmers, 19.12-139

Farnes, Phillip E.

Criteria for determining mountain snow pillow sites, 19.6-417

Farnsworth, R. K., *see* **Stewart, G. L.,** 19.7-425

Farrah, George H.

Manual procedures for the estimation of atmospheric fluorides, 19.2-131

Fastie, W. G., *see* **Miller, R. E.,** 19.10-576; **Moos, H. W.,** 19.2-414

Fateev, N. P.

Measurement and control of air humidity by the dew point method [Transl. from Russ.], 19.8-127

Fatkhullaeva, Z. N., *see* **Musaelian, Sh. A.,** 19.5-118

Fatkullin, M. N., *see* **Bukin, G. V.,** 19.1-364

Fatum, G. A.

Description of the vertical reflection interferometer and the measurement accuracy (*with others*), 19.11-104

Faulkner, F. D., *see* **Haltiner, G. J.,** 19.9-233

Faus, Antonio Alfonso

Effect of the Sun's rotation on the solar wind, 19.3-524

Solar wind and planetary rotation, 19.2-463

Faust, Heinrich

Energietransport zur Mesosphaere? [Energy transport to the mesosphere?], 19.5-264

Lokale Aenderungen von Druck, Temperatur und Dichte in Zeitabstaenden von 1-30 Tagen [Local variations of pressure, temperature and density at intervals of 1-30 days], 19.10-460

Meridionalschnitte des Zonalwindes bis 60 km Hoehe von 60°N bis 10°S [Meridional sections of zonal wind up to a height of 60 km from 60°N to 10°S] (*with* **Soos, E.**), 19.1-268

Raketenmessungen ueber England [Rocket measurements over England], 19.1-80

Favorskii, Oleg Nikolaevich

Voprosy teploobmena v kosmose [Problems of heat exchange in the cosmos] (*with* **Kadaner, Ia. S.**), 19.7-4

Favre, S.

Structure of velocity space-time correlations in a boundary layer (*with* **Gaviglio, J.** and **Dumas, R.**), 19.10-326

Fay, W. J., *see* **Bowen, E. D.,** 19.7-496

Faye-Petersen, R.

Viscous magnetospheric boundary layer (*with* **Heckman, G.**), 19.10-632

Faylor, Robert C.

Auroral studies at Plateau and Byrd Stations, 19.4-464

Fazio, G. G., *see* **Stecker, F. W.,** 19.6-526

Fazzini, M. C.

Osservazioni di microvariazioni di raggi cosmici in corrispondenza al passaggio di perturbazioni frontali (*with others*), 19.7-568

Fea, G.

Esperimenti di analisi sinottica numerica della struttura dei campi meteorologici e dell'indice di rifrazione (*with* **Gazzola, A.** and **Mosco, F.**), 19.9-219

Preliminari per una climatologia dell'indice di rifrazione sulla regione italiana (*with* **Rosini, E.** and **Santomauro, L.**), 19.9-291

Fea, K.

Satellite accelerations and air densities at extreme altitudes, 19.6-134

Feast, M. W., *see* **Thackeray, A. D.,** 19.3-587

Fedele, Diego

Atmospheric structure between 30 and 120 km (*with* **Zancla, A.**), 19.11-275

Experimental methods in exploring the atmosphere between 30 km and 120 km, 19.11-112

Fedinskii, A. V., *see* **Perov, S. P.,** 19.8-258

Fediushin, V. T.

Effektivnye snegozashchitnye nasazhdeniia

[Effective snow fencing by planting] (*with* **Ivlev, N. P.**), 19.10-437

Fedor, L. S.

Statistical approach to the determination of three-dimensional ionospheric drifts, 19.2-352

Fedorov, E. K.

Meteorologiia i gidrologiia za 50 let Sovetskoi vlasti: sbornik statei [Meteorology and hydrology during 50 years of Soviet rule: collection of papers] (*ed.*), 19.11-32

Nekotorye itogi vypolneniia plana nauchnoissledovatel'skikh rabot za 1966 god i perspektivy nauchnykh issledovanii v novoi piatiletke [Some results of the implementation of the research plan for 1966 and prospects for scientific investigations during the new Five-Year Plan], 19.3-25

Soviet hydrometeorological service on the fiftieth anniversary of the U.S.S.R., 19.9-59

Fedorov, E. P., *see* **Vsekhsviatskii, S. K.**, 19.8-667, 668

Fedorov, Iu. K., *see* **Brezhnev, V. V.**, 19.3-127; **Kurilova, Iu. V.**, 19.4-257

Fedorov, K. N.

Izmenchivost' potoka v Duvrskom prolive po dannym nabliudenii za solenost'iu [Current velocity in the Straight of Dover based on salinity observations] [and Eng. transl.], 19.1-562

See also **Stommel, H.**, 19.5-669

Fedorov, S. F.

Experience in the use of a gradient-measuring set-up for determining evaporation and heat exchange in forests [Transl. from Russ.], 19.8-107

Isparenie s lesa pri razlichnom sostave nasazhdenii [Evaporation from a forest composed of various types of stands], 19.1-279

Vliianie lesa na osadki [Effect of forest on precipitation] (*with* **Burov, A. S.**), 19.1-306

Fedorova, A. A.

Osobennosti polei temperatury, oblachnosti i vlazhnosti v atmosfere pri nochnykh grozakh [Peculiarities of atmospheric fields of temperature, cloudiness and humidity during nocturnal thunderstorms], 19.11-332

Fedorova, A. M.

Vzaimnye koeffitsienty korreliatsii mezhdu temperaturoi i davleniem nad severnym polushariem [Cross-correlation coefficients between temperature and pressure over the Northern Hemisphere], 19.7-336

Fedorova, E. I., *see* **Rossolimo, L. L.**, 19.5-745

Fedorova, E. O., *see* **Kiseleva, M. S.**, 19.8-333

Fedorova, N. I.

Sumerechnaia emissiia geliia v vysokikh shirotakh [Twilight emission of helium at high latitudes], 19.1-337

Fedorova, Z. P.

Perenos solei cherez Beringov proliv v Chukotskoe more [Salt transfer through the Bering Strait to the Chukchi Sea] [and Eng. transl.], 19.12-709

Turbulent heat exchange and evaporation in the Laptev Sea [Transl. from Russ.], 19.11-737

Fedoseev, Ivan Andreevich

Razvitie znanii o proiskhozhdenii, kolichestve i krugovorote vody na Zemle [Development of knowledge on the origin, amount, and circulation of water on the Earth], 19.7-10

Fedoseev, L. I.

Izmerenie radioizlucheniia solntsa v millimetrovom i submillimetrovom diapazonakh voln [Measurement of solar radiation in the millimeter and submillimeter wave range] (*with* **Lubiako, L. V.** and **Kukin, L. M.**) [and Eng. transl.], 19.10-660

Fedotov, Iu. P., *see* **Lel'chuk, V. L.**, 19.11-297

Fedotova, L. V.

Distantsionnyi rtutnyi termometr s volokonno-opticheskim ustroistvom [Remote control mercury thermometer with an optical-filament device], 19.11-146

K voprosu ob opredelenii velichiny pogreshnosti teleizmereniia pri ispol'zovanii chisloimpul'snogo koda [Determination of the magnitude of telemetry error during use of a numerical impulse code] (*with* **Chugreev, O. S.**), 19.11-160

Sintez elektronnykh skhem gidrometeorologicheskikh sistem diskretnoi avtomatiki [Synthesis of the electronic schemes of individually automated hydrometeorological systems], 19.11-161

Fedynskii, A. V.

Measurement of water vapor concentration at 71-87 km heights, 19.9-136

See also **Perov, S. P.**, 19.11-277

Fedynskii, V. V., *see* **Vsesoiuznoe Astronomo-Geodezicheskoe Obshchestvo**, 19.4-12

Fee, Rodney

What makes herbicides really work? 19.9-99

Feely, H. W.

[Discussion of] J. N. Beck and P. K. Kuroda: Radiostrontium fallout from the nuclear explosion of Oct. 16, 1964, 19.1-168

Fegan, D. J.

Radio pulses from extensive air showers at 520 MHZ (*with* **Slevin, P. J.**), 19.7-569

Fehlhaber, L.

Propagation measurements (*with* **Grosskopf, J.**), 19.9-30

Fehsenfeld, F. C.

Further laboratory measurements of negative reactions of atmospheric interest (*with* **Ferguson, E. E.**), 19.12-455

Feibelman, Walter A., *see* **Biondi, M. A.**, 19.9-620

Feig, Austin M.

Evaluation of the precipitation patterns over the metropolitan St. Louis area, 19.11-450

Feige, Y.

Production rates of neutrons in soils due to natural radioactivity (*with* **Oltman, B. G.** and **Kastner, J.**), 19.9-295

Feigel'son, E. M.

Pritok dlinnovolnovoi radiatsii v oblachnykh usloviiakh [The influx of the long wave radia-

tion in the cloudy atmosphere] [and Eng. transl.], 19.12-242
Vzaimodeistvie radiatsii i oblachnosti [Interaction between radiation and cloudiness], 19.1-292
Feix, Gerhard
Die solare Radiostrahlung im MM-Wellengebiet [Solar RF radiation in the millimeter wave range], 19.8-637
Fel'dshtein, Ia. I.
Auroral oval in the IGY and IQSY period and a ring current in the magnetosphere (*with* **Starkov, G. V.**), 19.7-548
[Obituary of] Aleksandr Ignat'evich Lebedinskii 1913-1967 [and Eng. transl.], 19.7-43
Phenomenology and morphology of aurorae (*with* **Isaev, S. I.** and **Lebedinskii, A. I.**), 19.10-567
Raspredelenie poliarnykh siianii i magnitnykh vozmushchenii v vysokikh shirotakh v sviazi s asimmetrichnoi formoi magnitosfery [Distribution of auroras and magnetic disturbances at high latitudes in connection with the asymmetric form of the magnetosphere], 19.1-349
Variatsii magnitnogo polia v vysokikh shirotakh i struktura geomagnitnogo polia v magnitosfere [Magnetic field variations at high latitudes and the structure of the geomagnetic field in the magnetosphere] (*with* **Zaitsev, A. N.**) [and Eng. transl.], 19.10-611
See also **Afonina, R. G.**, 19.5-503, 19.11-566; **Starkov, G. V.**, 19.2-409, 19.10-637; **Zaitsev, A. N.**, 19.4-460
Fellows, Robert F.
Story of Earth's atmosphere, 19.1-131
Felsen, L. B., *see* **Maurer, S. J.**, 19.10-75
Felsentreger, T. L.
Classification of lunar satellite orbits, 19.7-656
Felten, James E.
Cosmic blackbody radiation and isotropic gamma rays: a contradiction? 19.7-299
Feltz, Herman R., *see* **Slack, K. V.**, 19.7-803
Fel'zenbaum, A. I., *see* **Mikhailova, E. N.**, 19.3-651, 19.4-622, 701
Fendall, Francis E.
Diffusion-flame shape in the wake of a falling droplet (*with* **Smith, E. B.**), 19.3-273
Feng, C. C., *see* **Parkinson, G. V.**, 19.11-411
Ferguson, Eldon E.
Ionospheric ion-molecule reaction rates, 19.1-371
See also **Fehsenfeld, F. C.**, 19.12-455
Ferguson, N., *see* **Parkinson, G. V.**, 19.11-411
Fernald, F. G., *see* **Collis, R. T. H.**, 19.7-358
Fernandez-Partagas, Jose J., *see* **Estoque, M. A.**, 19.10-260
Fernando, P. C. B., *see* **Zelwer, R.**, 19.1-425
Ferrara, Angelo A.
Electronic age in oceanography, 19.5-629
Ferrari, A., *see* **Masani, A.**, 19.3-511
Ferraro, V. C. A.
Magnetohydrodynamics of liquids, 19.4-531
Ferry, G. V.
Study of thin-film penetration by micrometeoroids on Gemini 9 and 12 (*with* **Farlow, N. H.** and **Blanchard, M. B.**), 19.9-692
Fesenkov, Vasily G.
Can comets consist of anti-matter? 19.8-662
On the optical inhomogeneity of the upper atmosphere and their possible connection with the noctilucent clouds, 19.8-470
Feteris, Pieter J.
Mesoscale circulation differences related to thunderstorm development, 19.10-275
See also **Boer, J. H.**, 19.10-152
Feth, J. H.
Chemical characteristics of bulk precipitation in the Mojave Desert Region, California, 19.2-287
Lake Bonneville: geology and hydrology of the Weber Delta District, including Ogden, Utah (*with others*), 19.6-805
Fett, Robert W.
Typhoon formation within the zone of the intertropical convergence, 19.6-272
Fett, Walter
Sichtweite und atmosphaerisches Aerosol in Berlin-Dahlem [Visual range and atmospheric aerosols in Berlin-Dahlem], 19.11-264
Few, A. A.
Dominant 200-hertz peak in the acoustic spectrum of thunder (*with others*), 19.5-393
See also **Anderson, H. R.**, 19.11-551
Feyerherm, A. M.
Goodness of fit of a Markov chain model for sequences of wet and dry days (*with* **Bark, L. D.**), 19.2-290
Fiala, Vladimir
On the coefficient of ambipolar diffusion of inhomogeneities in the ionosphere, 19.11-535
On the diffusion of small inhomogeneities in the ionosphere, 19.11-536
Fialko, E. I.
Raspredelenie meteornykh tel po kineticheskim energiiam (istinnoe i kazhushcheesia raspredeleniia) [Kinetic energy distribution of meteor bodies (true and apparent distribution)] [and Eng. transl.], 19.4-578
Fichtel, Carl E.
Energetic particles from the Sun (*with* **McDonald, F. B.**), 19.6-522
Gamma-ray astronomy, 19.8-646
See also **Durgaprasad, N.**, 19.1-410
Fichtl, George H.
Analysis of the roughness length associated with the NASA 150-meter meteorological tower, 19.10-131
Fiedler, R.
Zwei Faelle ungewoehnlicher Wetterbeobachtungen auf dem MS "Rhoen" [Two cases of unusual weather observations on the MS "Rhoen"] (*with* **Walter, –**), 19.5-333
Field, C.
Radio determinations of electron temperatures in H II regions, 19.7-638
Field, William O.
Avalanches caused by the Alaska earthquake of March 1964, 19.5-327
Glaciology in the Arctic (*with others*), 19.4-728
Fielder, Gilbert
Linear arrays of craters on the ranger photographs, 19.9-677

See also **Guest, J. E.,** 19.10-676; **Strom, R. G.,** 19.9-678

Fiering, Myron B.
Synthetic hydrology: an assessment, 19.12-780
See also **Schaake, J. C., Jr.,** 19.3-721

Figula, Kazimierz
Badania nad gospodarka wodnz zlewni gorskich zalesionych i nie zalesionych, Czesc II [Investigations of water economy in mountain catchments, forested and unforested, Pt. 2], 19.7-827

Filice, Alan L.
Observations on the lunar surface disturbed by the footpads of Surveyor I, 19.2-495

Filippov, B. A.
Problem of hydrology of coastal Antarctic water [Transl. from Russ.], 19.12-673

Filippov, D. M.
O glubine osenne-zimnei konvektsii v Severnoi Atlantike po srednim mnogoletnim dannym [Depth of the autumn-winter convection in the North Atlantic according to average long period data] (*with* **Navrotskaia, S. E.** and **Matveeva, Z. N.**) [and Eng. transl.], 19.12-717
Potentsial'naia temperatura vody kak indikator pridonnoi konvektsii [Potential temperature as an indicator of bottom convection] (*with* **Egorikhin, V. D.**) [and Eng. transl.], 19.1-540

Filippov, Iu. K.
Matematika i . . . marsianskie kanaly [Mathematics and . . . the canals of Mars], 19.6-603

Filippov, V. V.
Fiziko-statisticheskaia otsenka sutochnogo, mesiachnogo i sezonnogo khoda temperatury vozdukha v okeanicheskikh raionakh [Physical and statistical evaluation of diurnal, monthly, and seasonal variations of air temperature in oceanic regions] (*with* **Kaganskii, A. S.**), 19.9-389
K voprosu o meteorologicheskoi izuchennosti severnoi chasti Tikhogo okeana [Meteorological knowledge of the northern Pacific] (*with* **Kaganskii, A. S.** and **Birman, B. A.**), 19.9-157

Fillius, R. Walker
Adiabatic betatron acceleration by a geomagnetic storm (*with* **McIlwain, C. E.**), 19.5-486

Filloux, Jean H.
Oceanic electric currents, geomagnetic variations and the deep electrical conductivity structure of the ocean-continent transition of Central California, 19.1-426

Filotti, Andrei
Relatii de generalizare a calculelor de gospodarire a apelor pentru bazinele hidrografice mici cu amenajari agropiscicole [Generalization relations of water system calculations for small hydrographical basins with agro-piscicultural arrangements] (*with* **Dordea, A.**), 19.7-361
See also **Dordea, A.,** 19.10-412

Filshits, V. M., *see* **Kaganskii, A. S.,** 19.9-337

Finch, D. M.
Photometric detection contrast of airport lighting in decreasing visibility (*with* **Horonjeff, R.** and **Paula, H. G.**), 19.10-484

Findlater, J.
Some further evidence of cross-equatorial jet streams at low level over Kenya, 19.1-271

Findlay, John W.
Large parabolic radio astronomy antennas, 19.9-31
Radio astronomy from space vehicles, 19.6-572

Fine, Saul
Autec in-water data flow, 19.8-711

Finger, F. G., *see* **Miller, A. J.,** 19.10-310

Finkelstein, J.
Persistence of daily rainfall at some New Zealand stations, 19.7-414

Finland. Havsforskningsinstitutet
Vedenkorkeusarvoja 1963 [Sea level records for the year 1963], 19.3-613

Finland. Meteorologiska Centralanstalten
Jokioisten ja Sodankylaen Observatorioiden Ilmastohavainnot, 1966 [Climatological data from Jokioinen and Sodankylae Observatories, 1966], 19.11-129

Finlayson, D. M.
Spectrum of geomagnetic pulsations at Halley Bay, 19.6-535

Finn, E. A.
Kak byl otkryt "polius kholoda" [How as the "cold pole" discovered], 19.1-230

Finn, G. D.
Solar sodium D-lines, **Pt. 1** (*with* **Mugglestone, D.**), 19.4-598; **Pt. 2** (*with* **Mugglestone** and **Young, R. L.**), 19.7-705

Finney, James W.
March 1968 NASCOM high frequency radio propagation predictions (*with* **Bell, M. S.**), 19.7-88; July 1968 . . ., 19.9-112
July 1968 radio propagation predictions for United States Information Agency-Voice of America broadcast coverage, 19.8-194

Fiocco, Giorgio
Frequency spectrum of laser echoes from atmospheric constituents and determination of the aerosol content of air (*with* **De Wolf, J. B.**), 19.9-261
Sensing of meteorological variables by laser probe techniques, 19.9-262

Firebaugh, John M.
Evaluations of a spectral gust model using VGH and V-G flight data, 19.4-30

Fireman, E. L.
Neutron exposure ages of meteorites, 19.5-580
See also **McCorkell, R.,** 19.4-725

Fireman, Milton, *see* **Reeve, R. C.,** 19.7-859

Firsoff, V. Axel
Water within and upon the Moon, 19.8-651

Fischer, Hans J. E.
Collected and corrected solar flare reports, 1955-1964 (*with* **Jensen, D. C.**), 19.11-680

Fischer, Heinz
Turbulent eddies in high density spark channels in helium (*with* **Schoenbach, K.**), 19.12-270

Fischer, Johannes
Anwendung eines neuen mathematischen Funktionspapieres fuer Abklingungsvorgaenge bei hydrographischen Problemen [Use of a new mathematical function for attenuation

processes in hydrographic problems], 19.7-779

Fischer, William H.
- Some atmospheric turbidity measurements in Antarctica, 19.2-324

Fishchuk, D. I., *see* **Portnova, V. P.,** 19.2-449

Fisher, Alvan, Jr.
- Corrections for portable induction salinometers, models RS-7A and RS-7B, 19.1-532
- Synoptic analysis of a portion of the northwestern Sargasso Sea, June 1965, 19.1-566

Fisher, Donald W.
- Annual variations in chemical composition of atmospheric precipitation, eastern North Carolina and southeastern Virginia, 19.12-358

Fisher, George E., *see* **Ostby, F. P.,** 19.3-281

Fisher, S., *see* **Dorman, L. I.,** 19.5-446

Fishkova, L. M.
- O variatsiiakh emissii Hα i raspredeleniia vodoroda v verkhnei atmosfere i geokorone [Variations of Hα emission and distribution of hydrogen in the upper atmosphere and in the geocorona] (*with* **Martsvaladze, N. M.**), 19.2-148
- Raspredelenie vodoroda v verkhnei atmosfere Zemli po nabliudeniiam emissii HI 6563 Å v spektre svecheniia nochnogo neba [Distribution of hydrogen in the Earth's upper atmosphere according to observations of the HI 6563 Å emission in the spectrum of luminescence of the night sky] (*with* **Martsvaladze, N. M.**) [and Eng. transl.], 19.8-248

Fishman, G. J., *see* **Haymes, R. C.,** 19.8-641

Fishman, M. I., *see* **Iashina, A. V.,** 19.12-818

Fitzgerald, Donald R.
- Probable aircraft "triggering" of lightning in certain thunderstorms, 19.5-384

Fitzpatrick, Eugene A.
- Appraisal of advectional contributions to observed evaporation in Australia using an empirical approximation of Penman's potential evaporation, 19.7-92
- Ice in soils, 19.10-312
- Incidence and duration of periods of plant growth in central Australia as estimated from climatic data (*with* **Slatyer, R. O.** and **Krishnan, A. I.**), 19.10-55

Flach, E.
- Comprehensive climatology of cooling power as measured with the Davos frigorimeter, Pt. 2 (*with* **Moerikofer, W.**), 19.7-463

Flaherty, David C.
- Questions and answers on Arctic water, 19.12-682

Fleischer, R. L., *see* **Price, P. B.,** 19.8-562

Fleischman, Edwin F., *see* **Benson, R. H.,** 19.7-631

Flemming, Guenther
- Die morphogene Schicht der Atmosphaere [Morphogenous layer of the atmosphere], 19.11-509

Flemming, Nicholas Coit
- Mediterranean Sea level changes, 19.11-712

Fletcher, J. O.
- Influence of the Arctic pack ice on climate, 19.11-333

Fletcher, James P., *see* **Spinning, J. N.,** 19.7-729

Fletcher, Joel E.
- Atmospheric water resources of the Wasatch Front, Utah, 19.8-195
- Weather modification, 19.2-123
- *See also* **Burgy, R. H.,** 19.7-812

Fletcher, Robert D.
- Suspensoid stratification in the atmosphere, 19.10-361

Fligel', D. S.
- Raschety form atmosferikov [Calculation of forms of sferics] [and Eng. transl.], 19.4-547

Flinn, Derek
- Ice front in the North Sea, 19.1-584

Fliri, Franz
- Beitraege zur Kenntnis der Zeit-Raum-Struktur des Niederschlags in den Alpen [Contribution to the knowledge of time, space and structure of precipitation in the Alps], 19.5-310
- Beitraege zur Kenntnis der zeitlichen und raeumlicher Verteilung des Niederschlages in den Alpen in der Periode 1931-1960 [Space and time distribution of precipitation in the Alps during the period 1931-1960], 19.5-303
- Ueber die klimatologische Bedeutung der Kondensationshoehe im Gebirge [Climatological importance of the condensation level in mountains], 19.8-399
- Witterungsklimatologie [Weather climatology] (*with* **Schueepp, M.**), 19.5-200

Flock, Warren L.
- VHF radar returns from the D region of the equatorial ionosphere (*with* **Balsley, B. B.**), 19.5-403

Flohn, Hermann
- Bemerkungen zur Asymmetrie der atmosphaerischen Zirkulation [Asymmetry of atmospheric circulation], 19.6-249
- Thermische Unterschiede zwischen Arktis und Antarktis [Thermal differences between the Arctic and Antarctic], 19.5-209

Flood, Walter A.
- Brief review of auroral backscatter theory, 19.2-398

Florey, Q. L., *see* **Bean, B. R.,** 19.7-367

Florida. [Committee on Hurricanes]
- Florida hurricane survey report, 19.12-207

Florida. State Univ., Tallahassee. Dept. of Met., *see* **Bowman, W. A.,** 19.8-10; **De Luisi, J. J.,** 19.7-313; **Garstang, M.,** 19.3-155

Florov, R. I.
- Razpredelenie na temperaturata na vuzdukha pod sklopa na gorsko nasazhdenie [Air temperature distribution under a forest canopy] (*with* **Dimitrov, E.**), 19.2-218

Flowers, E. C.
- Recent decrease in solar radiation at the South Pole (*with* **Viebrock, H. J.**), 19.12-226

Flueck, John A.
- Statistical analysis of Project Whitetop's precipitation data, 19.11-236

Fluor Corporation, Ltd., Los Angeles, Calif.
- Conceptual design study of a one million gallon per day MSM desalination plant-replacement for Demonstration Plant No. 2 at Point Loma, San Diego, Calif., 19.8-726

Foa, E.
Apparatus for the study of reactions in stationary droplets by radioactive tracers (*with others*), 19.4-321
Focas, J. H.
Recherche geologique lunaire (*with* **Dollfus, A.**), 19.6-30
Fody, S. A.
Flux of primary cosmic ray particles with $Z>3$ (*with others*), 19.8-557
See also **Bertsch, D. L.**, 19.2-421
Foeppl, H.
Preliminary results of electric field measurements in the auroral zone (*with others*), 19.4-418
Foersching, H.
Aeroelastic stability investigations on prismatic beams, 19.11-406
Fofonoff, Nick P.
Current measurements from moored buoys, 19.1-515; 19.12-721
Mooring motion (*with* **Garrett, J.**), 19.12-677
Variability of ocean circulation, 19.4-653
See also **Webster, F.**, 19.7-742
Fogle, B.
Noctilucent clouds over North America and in the Southern Hemisphere, 19.9-557
Fohl, Timothy
Optimization of flow for forcing stack wastes to high altitudes, 19.2-137
Foitzik, L.
Aus der Arbeit der Meteorologischen Gesellschaft in der DDR: Kolloquien der Sektion Mitte im Winter-semester 1965/66 und im Sommer-semester 1966 [The work of the Meteorological Society of the German Democratic Republic: Colloquia of the section in the winter semester 1965/66 and in the summer semester 1966], 19.6-23
Computation of the scattering function of the haze from skylight measurements, considering the multiple scattering (*with* **Spaenkuch, D.** and **Unger, E.**), 19.12-451
Messungen der Himmelslichtpolarisation im Hochgebirge [Measurements of sky light polarization in high mountains] (*with others*), 19.10-493
Fokker, A. D.
Homology of solar flare-associated radio events, 19.4-591
Reporting of solar radio emissions, 19.8-638
Folkestad, K.
Exact ray computations in a tilted ionosphere with no magnetic field, 19.5-404
Fomin, L. M.
Sootnoshenie mezhdu spektrami skorosti techeniia i davleniia ili plotnosti vody v okeane [Relationship between spectra of current velocity and pressure or density distributions in the ocean] [and Eng. transl.], 19.12-710
Fominykh, S. I., *see* **Kazantsev, A. N.**, 19.1-160
Fontana, Anthony
Effect of planetary albedo on solar orientation of spacecraft, 19.6-295
Fontanel, A., *see* **Bauer, A.**, 19.5-721
Fontes, Jean Charles
Comportement isotopique au cours de l'evaporation de deux bassins sahariens (*with* **Gonfiantini, R.**), 19.5-764
Oxygene-18 et tritium dans le bassin d'Evian (*with others*), 19.10-426
Food and Agriculture Organization, *see* **Joint FAO/IAEA Division of Atomic Energy in Food and Agriculture**, 19.8-407
Food and Agricultural Organization of the U.N., Rome
Current bibliography for aquatic sciences and fisheries, Vol. 10, 19.2-44
World list of periodicals for aquatic sciences and fisheries, 19.5-616
Fooks, Jean L., *see* **Hall, J. E.**, 19.4-421; **King, J. W.**, 19.7-516
Foote, G. Brant
Variance spectrum analysis of Doppler radar observations in continuous precipitation, 19.12-355
Forbes, Eric Gray
Life and work of Tobias Mayer (1723-62), 19.5-34
Forbush, Scott E.
Variation, with a period of two solar cycles, in the cosmic-ray diurnal anisotropy, 19.2-425
Forcier, Henry Emile
Study of rain versus snow at Otis Air Force Base during the winter season of 1966-1967, 19.7-397
Ford, James R.
Direct measurement of two-dimensional wave characteristics from a spar buoy, 19.1-516
New method for obtaining the directional spectrum of ocean surface gravity waves (*with* **Timme, R. C.** and **Trampus, A.**), 19.9-791
Forgac, Peter
Jarne mrazy v Zapadoslovenskom kraji [Spring frosts in the region of West Slovakia] (*with* **Molnar, F.**), 19.10-304
Forman, Miriam A.
Solar-cycle variation in the mass absorption coefficients for the Climax and Chicago neutron monitors, 1953-1965, 19.4-481
Formosa. Provincial Weather Bureau
Report on Typhoon "Clara", 19.10-256
Forrester, W. D.
Currents and geostrophic currents in the St. Lawrence estuary, 19.3-649
Forsberg, H. G., *see* **Knutsson, G.**, 19.9-854
Fosberg, Michael A.
Numerical analysis of convective motions over a mountain ridge, 19.3-229
Fossi, B. C. Monsignori, *see* **Monsignori Fossi, B. C.**
Foster, J. H., *see* **Opdyke, N. D.**, 19.8-570
Foster, M. D., *see* **Marsh, K. J.**, 19.2-106, 139
Foster, Theodore D.
Haline convection induced by the freezing of sea water, 19.9-794
Fournier, Hugo
Mesure directe locale d'un coefficient de surtension de la cavite terre-ionosphere et de sa variation diurne, a partir d'enregistrements des

formes l'ondes de la resonance de Schumann obtenus a Garchy (Nievre), 19.9-578

Fourrier, J., *see* **Morel, P.,** 19.12-340

Fowler, P. H.
Charge spectrum of very heavy cosmic ray nuclei (*with others*), 19.7-570

Fowler, R. J., *see* **Keneshea, T. J.,** 19.3-390

Fowlis, William W., *see* **Pfeffer, R. L.,** 19.12-175

Fox, Michael J.
Technique to determine evaporation from dry stream beds, 19.12-320

Fox, Paul J.
Annotated bibliography on the world rift system, 19.4-26

Foxworthy, B. L.
Artificial recharge through a well tapping basalt aquifers at The Dalles, Oregon (*with* **Bryant, C. T.**), 19.5-765

Fradel, Michael A.
Environmental data base for regional studies in the humid tropics: monthly microclimatic summary, Jan. 1968 (*with* **Portig, W. H.**), 19.11-130

Fraedrich, K.
Zur Struktur der tropischen Konvektionsbewoelkung ueber Suedostafrika [Structure of the tropical convective cloud cover over South Africa], 19.8-281

Frakes, Lawrence A.
Late paleozoic glacial geography of Antarctica (*with* **Crowell, J. C.**), 19.10-777
Movement directions in late paleozoic glacial rockes in the Horlick and Pensacola Mountains, Antarctica (*with others*), 19.2-586

France. Bureau des Longitudes
Annuaire, 1968, 19.6-37

France. Centre National d'Etudes Spatiales, *see* **Colloque Franco-Belge sur les Problemes Meteorologiques de la Stratosphere et de la Mesosphere, Paris, March 1965,** 19.8-19

France. Meteorologie Nationale
Centre d'Etudes Meteorologiques Spatiales de Lannion, 19.2-33
Climat du Dauphine, 19.10-461
Nouveau carnet 250 ter, 19.9-128
Projet EOLE, 19.9-66
Saison 1966-1967 des perturbations tropicales dans l'ocean Indien du Sud-Quest, 19.10-100

France. Office de la Recherche Scientifique et Technique Outre-Mer, Pointe-Noire
Travaux scientifiques du Centre O.R.S.T.O.M. de Pointe-Noire. List mise a jour au 31/12/1967, 19.12-39

France. Service Hydrographique de la Marine
Annales Hydrographiques, 19.7-708

Francey, R. J., *see* **Vrana, A.,** 19.8-550

Francis, J. R. D.
Wind generated waves on a water current, 19.3-239

Frank, A. L.
Gamma-radiation characteristics; angular distribution over a desert terrain fallout field, 19.2-426

Frank, F. C.
Peculiar property of the geomagnetic field (*with* **Alldredge, L. R.**), 19.7-584
Regelation: a supplementary note, 19.6-710

Frank, L. A.
Energy fluxes of low-energy protons and positive ions in the Earth's inner radiation zone (*with* **Swisher, R. L.**), 19.6-539
Recent observations of low-energy charged particles in the Earth's magnetosphere, 19.10-628
See also **Owens, H. D.,** 19.4-525

Frank, Ralph E.
Automatic stations for shipboard use, 19.4-118

Frankenstein, Guenther
Equations for determining the brine volume of sea ice from -0.5° to -22.9°C (*with* **Garner, R.**), 19.4-707
See also **Abele, G.,** 19.12-391

Frankenthal, S., *see* **Paolini, F. R.,** 19.2-471

Franklin, F. A.
Two-color photoelectric photometry of the earthshine, 19.1-207

Franquin, P., *see* **Cocheme, J.,** 19.8-13

Frantsman, Iu. D., *see* **Frantsman, S. V. (Evdokinemko),** 19.5-365

Frantsman, S. V. (Evdokinemko)
Vychislenie koordinat serebristykh oblakov na BESM-2 [Calculation of the coordinates of noctilucent clouds on an electronic computer] (*with* **Frantsman, Iu. D.**), 19.5-365

Franzgrote, Ernest J., *see* **Turkevich, A. L.,** 19.10-678

Franzini, J. B.
Report of the Committee on the Physics of Soil Moisture (*with others*), 19.4-771

Fraser, B. J.
Temporal variations in Pcl geomagnetic micropulsations, 19.6-536

Fraser, D. C.
Magnetic fields of ocean waves, 19.3-656

Fraser, G. J.
Seasonal variation of Southern Hemisphere midlatitude winds at altitudes of 70-100 km, 19.12-478

Fraser-Smith, A. C.
Narrow frequency bands in hydromagnetic emissions (Pcl), 19.5-518

Fraunhofer-Gesellschaft zur Foerderung der Angewandten Forschung E. V. Physikalisch–Bioklimatische Forschungsstelle, Garmisch–Partenkirchen, *see* **Reiter, R.,** 19.2-142

Freden, S. C., *see* **Paulikas, G. A.,** 19.4-495

Fredricks, R. W.
Magnetodynamically induced ambiguity in the data from tilted, spinning fluxgate magnetometers: possible application to IMP 1 (*with* **Greenstadt, E. W.** and **Sonett, C. P.**) [Discussion by N. F. Ness], 19.11-563
See also **Scarf, F. L.,** 19.7-490; 19.9-565

Fredriksen, Richard L., *see* **Rothacher, J.,** 19.11-798

Freeman, F. F., *see* **Jones, B. B.,** 19.12-652

Freeman, J. W., Jr.
Gross local-time particle asymmetries at the synchronous orbit altitude (*with* **Maguire, J. J.**), 19.2-470
Observation of transient variations in the

magnetospheric boundary position (*with* **Kavanagh, L. D., Jr.** and **Cahill, L. J., Jr.**), 19.3-505
Freeman, John C., Jr.
Cloud motions in the tropics and objective prediction methods, 19.9-241
Cumulonimbus cloud dynamics, 19.12-349
Freeze, R. Allan
Theoretical analysis of regional ground water flow, Pt. 3 (*with* **Witherspoon, P. A.**), 19.11-814
Freiberger, Walter, *see* **Adenstedt, R., 19.7-99**
Freier, P. S.
Singly and doubly charged particles in the primary cosmic radiation (*with* **Waddington, C. J.**), 19.12-518
Fremouw, Edward J.
Aberrations of VHF - UHF signals traversing the auroral ionosphere, 19.8-540
Effects of ionospheric irregularities on space data acquisition in the auroral zone, 19.11-537
Interferometer phase and amplitude measurements for determining coherence ratio and wavefront correlation (*with* **Lansinger, J. M.**), 19.1-58
Some effects of the auroral ionosphere on satellite-to-ground communications at VHF, 19.8-540
Frenkiel, F. N. (*ed.*), *see* **International Symposium on Boundary Layers and Turbulence including Geophysical Applications, Kyoto, Japan, Sept. 1965, 19.9-27**
Frenzel, Burkhard
Die Klimaschwankungen des Eiszeitalters [Climatic variations of the Ice Ages], 19.6-15
Freund, Robert B.
Effects of atmosphere rotation rate on orbits and orbit determination, 19.7-136
Frey, Elmer J.
Application of inertial technology to atmospheric measurements, 19.2-83
Freyman, S.
Nature of ice-sheet injury to alfalfa (*with* **Brink, V. C.**), 19.5-293
Fribourg, Henry A.
S-47 library of climatological data computer programs: a series of I.B.M. 1401 computer programs in AUTOCODER language (*with others*), 19.9-150
Fricker, Fred W.
Ships of opportunity, 19.5-628
Frid, A. S., *see* **Zamanmurad, Kh., 19.11-810**
Fridman, Iu. S.
Matematicheskaia obrabotka televizionnykh izobrazhenii oblachnogo pokrova Zemli [Mathematical processing of television images of the Earth's cloud cover], 19.1-87
Fridzon, M. B.
Spektral'nye kharakteristiki otrazheniia nekotorykh materialov, primeniaemykh v meteorologii [Spectral characteristics of the reflection of some materials used in meteorology] (*with others*), 19.5-123
Fried, D. L.
Effect of atmospheric scintillation on an optical data channel: laser radar and binary communications (*with* **Schmeltzer, R. A.**), 19.1-333
Laser-beam scintillation in the atmosphere (*with* **Seidman, J. B.**), 19.3-362
Measurements of laser-beam scintillation in the atmosphere (*with* **Mevers, G. E.** and **Keister, M. P.**), 19.3-363
Propagation of a spherical wave in a turbulent medium, 19.3-360
Fried, M.
Need of arid and semi-arid regions for water-use efficiency studies (*with* **Barrada, Y.**), 19.9-814
Friedland, A. B., *see* **Pierce, A. D., 19.7-492**
Friedman, Herbert
Discrete X-ray sources, 19.8-693
Friedman, Irving, *see* **Matsuo, S., 19.5-301**
Friedman, M. B., *see* **Myers, M. K., 19.4-399**
Friedman, Manfred P.
Three-dimensional model of the upper atmosphere, 19.3-142
Friedmann, A., *see* **Hesselberg, Th., 19.2-18**
Frier, George D.
Relaxation time of air in thunderstorms, 19.5-380
Friichtenicht, J. F.
Estimate of the near-Earth meteor flux (*with others*), 19.8-663
Frisby, E. M.
Tropical fog, 19.9-493
Frisius, J.
Observations of the effective reflection height and reflection attenuation by means of a VLF transmission path, 19.12-558
Frith, R.
Earth's higher atmosphere, 19.10-203
Fritsch, Volker
Untersuchung der Grundwasserbewegung mit Hilfe der elektrothermischen Methode [Investigation of ground water movement with an electrothermal method] (*with* **Tauber, A. F.**), 19.3-712
Fritschen, Leo J.
Microclimate before and after irrigation (*with* **Nixon, P. R.**), 19.7-456
Fritton, D. D.
Soil water and chloride redistribution under various evaporation potentials (*with* **Kirkham, D.** and **Shaw, R. H.**), 19.8-403
Fritts, Harold C.
Growth rings of trees: a physiological basis for their correlation with climate, 19.7-450
See also **Julian, P. R., 19.12-432**
Fritz, S.
On the infrared transmission through cirrus clouds and the estimation of relative humidity from satellites (*with* **Krishna Rao, P.**), 19.3-56
Satellite observations and circulation (*with* **McClain, E. P.** and **Winston, J. S.**), 19.3-81
Fritz, Theodore A.
Spectral, spatial, and temporal variations observed for outer zone electrons from 10 to 100 keV with satellite Injun 3, 19.10-5

- **Froelich, F.**
  - To the problem of exploration of the space-time-structure of the main geomagnetic field (*with* **Vollstaedt, H.** and **Kirsten, G.**), 19.10-606
- **Frohnholzer, Josef**
  - Die Fuellung des Lechspeichers Forggensee, gestuetzt auf Zuflussvorhersagen fuer zweite Vierteljahre auf der Grundlage von Schneemessungen im alpinen Einzugsgebiet [Water flow forecasts for the second quarter based on snow measurements in an Alpine catchment applied to the filling of the Forggen-See Reservoir on the Lech], 19.6-179
- **Frolov, Nikolai Mikhailovich**
  - Gidrogeotermiia: gidrogeotermicheskii rezhim verkhnikh chastei zemnoi kory i gidrogeotermicheskie metody issledovanii [Hydrogeotheromy; hydrogeothermal regime of the upper layer of the earth's crust and the hydrogeothermal methods of investigations], 19.12-12
- **Frolov, V. I.,** *see* **Pivovarov, A. A.,** 19.1-102
- **Frontenac, Theodore R.,** *see* **La Violette, P. E.,** 19.2-545; 19.12-728
- **Frost, David B.**
  - Climate of the Rupununi savannas: a study in ecological climatology, 19.8-461
- **Frutiger, Hans**
  - Behaviour of avalanches in areas controlled by supporting structure, 19.4-357
  - Observations on the sliding and creeping of the snow cover in the avalanche barrier "Mattstock-Amden", 19.9-29
- **Frye, H. W.**
  - Regression analysis of sea-surface-temperature patterns for the North Pacific Ocean, 19.12-729
- **Frykman, Robert W.,** *see* **Lichfield, E. W.,** 19.6-123
- **Fuchs, M.**
  - Evaporation from a drying soil (*with* **Tanner, C. B.**), 19.2-267
  - Surface temperature measurements of bare soils (*with* **Tanner, C. B.**), 19.8-79
- **Fuchs, Robert A.,** *see* **Hughes Aircraft Co. Space Systems Div.,** 19.5-22
- **Fuck, Reinhardt A.,** *see* **Bigarella, J. J.,** 19.7-768
- **Fujiki, Akimitsu,** *see* **Nanniti, T.,** 19.5-681
- **Fujimoto, Yoichi**
  - Cosmic rays and high-energy physics (*with* **Hayakawa, S.**), 19.10-587
- **Fujino, Kazuo**
  - Dielectric properties of sea ice, 19.12-757
  - Electrical properties of sea ice, 19.12-758
  - *See also* **Tabata, T.,** 19.12-763
- **Fujioka, Yoshikazu**
  - Outline of climate of Southeast Asia, 19.7-445
- **Fujita, K.**
  - On the correction factor "n" between surface wave height and record of pressure-type wave gauge (*with others*), 19.10-757
- **Fujita, Naomi**
  - G. S. I. airborne magnetometer and geomagnetic studies on aeromagnetic survey, 19.12-528
- **Fujita, Tetsuya**
  - Aerial measurement of radiation temperatures over Mt. Fuji and Tokyo areas and their application to the determination of ground- and water-surface temperatures (*with* **Baralt, G.** and **Tsuchiya, K.**), 19.10-311
  - Estimation of tornado wind speed from characteristic ground marks (*with* **Bradbury, D. L.** and **Black, P. G.**), 19.10-262
  - Proposed method of estimating cloud-top temperature, cloud covers, emissivity, and cloudness from short- and long-wave radiation data obtained by medium-resolution scanning radiometers (*with* **Grandoso, H.**), 19.10-89
  - Split of a thunderstorm into anticyclonic and cyclonic storms and their motion as determined from numerical model experiments (*with* **Grandoso, H.**), 19.9-349
  - Study of mesoscale cloud motions computed from ATS-1 and terrestrial photographs (*with others*), 19.11-444
  - *See also* **Bradbury, D. L.,** 19.11-443; **Lyons, W. A.,** 19.8-426
- **Fujiwara, Miyuki,** *see* **Ichimura, I.,** 19.10-81
- **Fukuda, K.**
  - Seasonal forecasting of heavy snow on Japan Sea coast by monthly mean 500 mb charts of the Northern Hemisphere, 19.5-154
- **Fukui, Atsushi**
  - Classification of snow avalanches in Japan, 19.3-333
- **Fukui, Eiichiro**
  - General review of the development of climatology in Japan, 19.1-41
- **Fukunishi, H.,** *see* **Nagata, T.,** 19.12-535
- **Fukuo, Yoshiaki**
  - On the deformation of frozen soil (*with* **Ariga, Y.**), 19.3-221
  - Unfrozen water content of artificially frozen soil (*with* **Ariga, Y.**), 19.6-431
- **Fukushima, Madoka**
  - Some investigations of the effect of mountain wave on the distribution of the atmospheric refractive index, 19.3-150
- **Fukushima, Naoshi,** *see* **Keimatsu, M.,** 19.11-565
- **Fukuta, Norihiko**
  - Airborne generator of metaldehyde smoke, 19.2-127
- **Fuller, J. R.**
  - Procedure for evaluating the spacewise variations of continuous turbulence on airplane responses, 19.6-56
- **Fulmer, Charles V.**
  - Surface lineaments displayed on lunar orbiter pictures (*with* **Roberts, W. A.**), 19.6-594
- **Fulton, J. F.,** *see* **Clark, R. H.,** 19.6-734
- **Fultz, D.**
  - Effects of the radial law of depth on the instability of inertia oscillations in rotating fluids (*with* **Murty, T. S.**), 19.12-196
- **Fung, A. K.**
  - Character of wave depolarization by a perfectly conducting rough surface and its application to Earth and Moon experiments, 19.1-479
- **Fuquay, Donald M.**
  - Characteristics of seven lightning discharges that caused forest fires (*with others*), 19.5-385

Weather modification and forest fires, 19.7-209

Furlan, D.
Regles pour l'execution de cartes des moyennes des temperatures extremes, 19.5-225

Furness, L. W.
Two methods of estimating base flow at ungaged stream sites in Kansas and adjacent states (*with* **Busby, M. W.**), 19.1-590

Furukawa, Osamu, *see* **Endo, K.,** 19.4-47

Furukawa, P. M., *see* **Dave, J. V.,** 19.6-304

Futran, Seymour
Evaporograph: thermal mapping in color, 19.6-96

G

Gabarashvili, T. G.
Ustanovka dlia izucheniia elementarnykh protsessov evoliutsii oblachnykh chastits [Assembly for studying elementary processes of the evolution of cloud particles] (*with* **Kartsivadze, A. I.**), 19.6-372

Gabrakov, S.
Kulbovidnata mulniia [Ball lightning], 19.3-369

Gabriel, K. R.
Israeli artificial rainfall stimulation experiment: statistical evaluation for the period 1961-65, 19.6-190

Gachechiladze, R. G., *see* **Khocholava, G. M.,** 19.7-514

Gade, Herman G., *see* **Malmberg, S. A.,** 19.11-695

Gadsden, M.
Interpretation of twilight emissions, 19.2-411
Radar aurora and plasma instabilities, 19.10-573
Sodium in the upper atmosphere: meteoric origin, 19.7-503
Twilight and nightglow spectrometry at South Pole Station during the 1966 winter, 19.4-186
Twilight observations, 19.2-325
See also **Blacker, H. V.,** 19.6-516; **Ecklund, W. L.,** 19.3-405

Gadzhibekov, N. G., *see* **Rustamov, S. G.,** 19.11-475

Gaevskii, V. L.
Measurement of surface temperature by the radiation method [Transl. from Russ.], 19.8-114

Gagarin, Iu. F.
Opredelenie parametrov fragmentatsii mnogozariadnoi komponenty pervichnykh kosmicheskikh luchei [Determination of the fragmentation parameters of the highly charged component of primary cosmic rays] (*with* **Ivanova, N. S.**) [and Eng. transl.], 19.3-423
See also **Ivanova, N. S.,** 19.11-353

Gagarina, T. E.
Sravnitel'naia otsenka razlichnykh metodov opredeleniia turbulentnogo teploobmena nad posevami kukuruzy [Comparative evaluation of various methods of determining turbulent heat exchange over corn crops] (*with others*), 19.10-362

Gage, Maxwell
New Zealand Fox Glacier, 19.12-777

Gagnon, Andre, *see* **Pariset, E.,** 19.5-724

Gaigerov, Semen Semenovich
Aerology of the polar regions [Transl. from Russ.], 19.2-3
K aerologicheskomu stroeniiu nizhnei troposfery v tropicheskoi zone Tikhogo okeana [Aerological structure of the lower troposphere in the tropical region of the Pacific Ocean], 19.5-208
O stroenii i tsirkuliatsii stratosfery nad Tikhim okeanom vesnoi i letom [Stratospheric structure and circulation above the Pacific Ocean in spring and summer], 19.5-177
O zimnikh stratosfernykh potepleniiakh i vesennikh perestroikakh v Antarktike i Arktike [Winter stratospheric warming and spring variations in the Antarctic and Arctic], 19.9-406
On stratospheric warmings in the Antarctic and Arctic, 19.12-261

Gainer, C. A.
All weather landing simulation for category III airborne configuration, Vol. 1 (*with others*), 19.8-49

Gaivoronskii, I. I.
Iskusstvennye l'doobrazuiushchie aerozoli [Artificial ice-forming aerosols] (*with* **Plaude, N. O.** and **Solov'ev, A. D.**), 19.9-246

Gajzago, Laszlo
Aenderugen der ultravioletten Strahlung in Budapest [Variations in ultraviolet radiation in Budapest], 19.5-220

Gakhramanov, G. A., *see* **Pogosian, Kh. P.,** 19.3-298

Galakhova, T. A.
K voprosu o metodike rascheta vertikal'nykh skorostei [Method of calculating vertical velocities], 19.3-248

Galbally, Ian
Some measurements of ozone variation and destruction in the atmospheric surface layer, 19.11-260

Galejs, Janis
Propagation of ELF and VLF waves below a generally anisotropic ionosphere, 19.12-559
Propagation of ELF and VLF waves below an anisotropic ionosphere with a dipping static magnetic field, 19.4-548
Propagation of VLF waves below anisotropic ionosphere models with a dipping static magnetic field, 19.6-548

Galerkina, K. A.
K meteorologicheskomu obosnovaniiu sistemy mnogomarshrutnykh poletov [Meteorological basis of the system of multiple route flying], 19.9-86

Galin, M. B.
Ob ustoichivosti zonal'nogo potoka v atmosfere s uchetom turbulentnoi viazkosti i teploprovodnosti [Stability of zonal flow in the atmosphere considering eddy viscosity and heat conductivity] [and Eng. transl.], 19.8-282

Galkin, L. S.
O nekotorykh svoistvakh atmosfery Iupitera, II [Some properties of the atmosphere of Jupiter, Pt. 2], 19.7-672

Galkin, R. M.
Ob anomaliiakh magnitnogo polia v Tsentral'noi

Arktike [Anomalies of the magnetic field in the Central Arctic], 19.5-466

Gall, Ruth

Arrival of low-energy cosmic rays via the magnetospheric tail (*with* **Jimenez, J.** and **Camacho, L.**), 19.7-571

Cascarones magneticos invariantes en el campo de la tierra distorsionados por el viento solar (*with* **Ruiz, P.**), 19.7-585

Galperin, Iu. I.

Model intensity distribution of electrons trapped in the inner zone (*with* **Temny, V. V.**), 19.8-591

Galushchenko, N. G.

O polevykh issledovaniiakh vpityvaiushchei sposobnosti pochvo-gruntov [Field investigations of the absorption capacity of soils], 19.9-869

O raschete poter' osadkov po dannym o stoke malykh vodotokov [Computing precipitation losses from data on flow of small watercourses], 19.9-859

Galvin, Cyril J., Jr.

Longshore current velocity: a review of theory and data, 19.1-574

Galway, Joseph G.

SEIS forecast verification 1952-1966, 19.11-205

See also **Pearson, A. D., 19.12-310**

Gambill, Burt

Comparison of methods for calculating LF and VLF reflection coefficients, 19.12-557

Gambling, D. J.

Study of the polarization of skylight (*with* **Billard, B.**), 19.7-478

Gambo, K.

Energy exchange between the zonal flow and the eddies, 19.3-175

Gamow, George

History of the universe, 19.6-569

Gand, H. R. In Der, *see* **In Der Gand, H. R.**

Gandin, Lev Semenovich

Aerological data requirements for numerical analysis and forecasting [Transl. from Russ.], 19.9-130

Design of optimum networks for aerological observing stations (*with others*), 19.4-84

K teorii teplovogo rezhima zdanii [Theory of the heat regime of buildings], 19.10-472

O zarubezhnykh issledovaniiakh teplovogo balansa [Foreign investigations on heat balance], 19.5-187

See also **Laikhtman, D. L.,** 19.5-1

Gandino, C.

Andamenti della velocita del foehn ad Ispra [Variations of foehn velocities at Ispra] (*with* **De Bortoli, M.**), 19.5-250

Ganguly, S., *see* **Khastgir, S. R.,** 19.10-538

Gann, E. Eugene, *see* **Bowie, J. E.,** 19.6-795

Ganor, E., *see* **Yaalon, D. H.,** 19.8-420

Gapak, I. V., *see* **Gnilko, M. K.,** 19.12-529

Gapcynski, John P., *see* **Tolson, R. H.,** 19.9-673

Garazdo-Lesnykh, G. A., *see* **Konopleva, V. P.,** 19.9-697

Garbrecht, Guenther

[Discussion of] A. K. Biswas: Hydrologic engineering prior to 600 B.C. (*with* **Requardt, G. J.** and **Schnitter, N. J.**), 19.10-41

Garby, Louis C., *see* **Uberoi, M. S.,** 19.10-349

Garcia, Frank, Jr.

General analytical method for artificial-satellite lifetime determination, 19.6-553

Garcia, R.

Die meteorologischen Einrichtungen des Observatoriums auf dem Pic du Midi [Meteorological equipment of Pic du Midi Observatory], 19.1-42

Garcia, Rolando V.

Global atmospheric research programme, 19.6-50

Gardiner, G. W., *see* **Hall, M. P. M., 19.10-141**

Gardner, H. R., *see* **Hanks, R. J.,** 19.6-362

Gardner, M. E., *see* **Swider, W., Jr.,** 19.1-332

Gardner, W. R.

Beta-ray gauging techniques for measuring leaf-water-content changes and moisture state of plants, 19.8-53

Present knowledge of the interrelationships between soil moisture, irrigation, drainage, and water-use efficiency, 19.8-404

Garing, John S., *see* **Howard, J. N.,** 19.4-242

Garmire, G.

Search for quarks in cosmic rays at sea level (*with* **Leong, C.** and **Sreekantan, B. V.**), 19.8-558

Garner, D. M.

Hydrology of the southeast Tasman Sea, 19.1-510

Hydrology of the southern Hikurangi Trench Region, 19.1-567

Garner, Robert, *see* **Frankenstein, G.,** 19.4-707

Garnier, B. J.

McGill's climatological observational and research programme in the Caribbean and Guyana, 19.12-420

Recent developments in the McGill University climatology programme in Barbados, 19.10-468

Garnier, Michel

Calcul approche des lignes de force du champ magnetique terrestre, 19.4-506

Climatologie de la France: elements de la variation diurne, 19.5-339

Climatologie de la France: selection de donnees statistiques, 19.5-339

See also **Delloue, J.,** 19.1-354

Garrels, Robert M.

Origin of the chemical compositions of some springs and lakes (*with* **Mackenzie, F. T.**), 19.9-817

Garrett, A. A., *see* **Hidaka, F. T.,** 19.10-782

Garrett, John, *see* **Fofonoff, N. P.,** 19.12-677

Garrett, William D.

Stabilization of air bubbles at the air-sea interface by surface-active material, 19.6-656

Garrick, I. E.

Summary of results on sonic-boom pressure-signature variations associated with atmospheric conditions (*with* **Maglieri, D. J.**), 19.10-48

Garriott, Owen K.

Solar flare effects in the ionosphere (*with others*), 19.4-419

Garside, G., *see* **Wilson, J. W. G.,** 19.7-106

Garstang, Michael
Equivalent potential temperature as a measure of the structure of the tropical atmosphere (*with* **La Seur, N. E.** and **Aspilden, C.**), 19.3-155
Role of momentum exchange in flow over a heated island, 19.9-316
Unattended buoy system for digital recording of air-sea energy exchange parameters (*with* **Smith, P. F.** and **Perry, K. E.**), 19.1-517
Gartshore, Ian S.
Two-dimensional turbulent wakes, 19.12-271
Gary, Bruce
Mercury's microwave phase effect, 19.2-481
Gary, Howard L.
Density variation in a snowpack of northern New Mexico, 19.6-97
Snow accumulation and disappearance by aspect and vegetation type in the Santa Fe Basin, New Mexico (*with* **Coltharp, G. B.**), 19.6-411
Gasanalizade, A. G.
On the physical meaning of the Freundlich–Forbes empirical constant, 19.5-603
Gashin, L. I., *see* **Kachurin, L. G.**, 19.9-484
Gaskell, T. F.
Earth-Mars-Moon system, 19.6-584
Gaspar, Emilian, *see* **Bisir, D.**, 19.8-755
Gasparini, P.
Comparison between gamma ray spectra of fallout and rainout, in Naples, June 1965, from the Chinese nuclear tests (*with* **Luongo, G.** and **Rapolla, A.**), 19.9-298
Gassmann, G. J., *see* **Breitling, W. J.**, 19.3-385
Gastescu, Petre
Caracteristicile hidrochimice ale lacurilor din ralea Dunarii [Hydrochemical characteristics of the Danube valley lakes] (*with* **Breier, A.**), 19.7-789
Caracteristicile termice ale lacurilor din lunca Dunarii in sezonul de vara [Thermal characteristics of the lakes in the Danube floodland during the summer season] (*with* **Breier, A.** and **Driga, B.**), 19.1-586
Gat, Joel R.
Atmospheric bismuth-212: measurement and some geophysical applications (*with* **Assaf, G.**), 19.10-190
Modification of the isotopic composition of rainwater by processes which occur before groundwater recharge (*with* **Tzur, Y.**), 19.10-427
Gat, Z., *see* **Lomas, J.**, 19.9-103
Gates, David M.
Plant factors affecting evapotranspiration (*with* **Hanks, R. J.**), 19.7-370
Thermal balance of the biosphere, 19.6-444
Gates, W. Lawrence
Numerical study of transient Rossby waves in a wind-driven homogeneous ocean, 19.3-659
Gatland, Kenneth W.
Russia's Moon programme, 19.8-647
Second *Cosmos* century, 19.7-137
Gaul, R. D.
Comparison of wave measurements from a free-floating wave meter and the Monster Buoy (*with* **Brown, N. L.**), 19.1-518
Gault, J. D.
Atmospheric turbulence considerations for future aircraft designed to operate at low altitudes (*with* **Gunter, D. E., Jr.**), 19.11-78
Low altitude atmospheric turbulence analysis methods, 19.5-243
Gauntlett, D. J., *see* **Maine, R.**, 19.3-102
Gaut, Norman E., *see* **Starr, V. P.**, 19.2-489
Gautier, D.
Influence du champ magnetique terrestre sur le transfert du rayonnement millimetrique dans l'oxygene moleculaire de l'atmosphere, 19.11-560
Premiers resultats de mesures de l'absorption par l'atmosphere terrestre et de la temperature de brillance du soleil a 5,65 millimetres de longueur d'onde (*with* **Renan, J. P.**), 19.12-616
Gauvin, H. P., *see* **Stair, A. T., Jr.**, 19.2-418
Gavanovich, Sara, *see* **Levi, L.**, 19.12-386
Gaviglio, J., *see* **Favre, S.**, 19.10-326
Gavrilin, B. L.
Numerical experiments on the general circulation of the atmosphere [Transl. from Russ.], 19.7-278
Parametrizatsiia vertikal'noi struktury polia vlazhnosti [Parametrization of vertical structure of the humidity field] [and Eng. transl.], 19.4-312
Gavrilova, L. D.
Godovoi i sutochnyi khod oblachnosti v Voeikovo [Annual and diurnal variation of cloudiness in Voeikovo] (*with* **Kaulin, N. Ia.** and **Chizhevskaia, M. P.**), 19.4-333
Gawecka, Aldona
Polska bibliografia oceanologiczna za lata 1961-1965 (wraz z uzupelnieniami za lata 1945-1960) [Polish oceanological bibliography for the years 1961-1965 (with supplements for the years 1945-1960)] (*with* **Olpinska–Warzechowa, K.**), 19.9-728
Gazzola, A.
Analisi della struttura termica e anemologica nei bassi strati dell'atmosfera sulla localita "Casaccia" (*with* **Giudici, G.**), 19.12-253
Esame preliminare sull'influenza dei moti verticali sulle variazioni locali del geopotenziale e della vorticita relativa (*with* **Mosco, F.**), 19.9-312
See also **Fea, G.**, 19.9-219
Gdalevich, G. L.
Vysotnoe raspredelenie elektronnoi temperatury po opytam 1965 g. na geofizicheskikh raketakh [Height distribution of electron temperature based on 1965 experiments on geophysical rockets] (*with* **Gubskii, V. F.** and **Dmitrieva, I. D.**) [and Eng. transl.], 19.1-372
Geake, J. E.
Laboratory investigations of meteorite luminescence (*with* **Walker, G.**), 19.4-582
Gebbie, H. A.
Observations of atmospheric absorption in the wavelength range 2 mm to 300 μm (*with* **Burroughs, W. J.**), 19.8-338

Gebhart, Reiner
Ueber das Strahlungsbleichgewicht der Mesosphaere [The radiation equilibrium of the mesosphere], 19.7-300
Gedeonov, A. D.
Arealy bol'shikh otklonenii srednei mesiachnoi temperatury vozdukha ot mnogoletnei srednei v severnom polusharii [Areas of large deviations of mean monthly air temperature from the long-period mean in the Northern Hemisphere], 19.1-229
Geichenko, M. S.
Mechanism of hydrogen excitation in prominence surges [Transl. from Russ.], 19.1-497
Geisler, J. E.
[Comments on] D. M. Hunten and W. L. Godson: Upper-atmosphere sodium and stratospheric warmings at high latitudes (*with* **Dickinson, R. E.**), 19.3-143
Numerical study of the wind system in the middle thermosphere, 19.4-302
Geisweid, K. H.
Ionosphere: absorption measurements (*with others*), 19.7-504
Gel'bukh, T. M.
O strukture empiricheskikh formul dlia rascheta ispareniia s vodnoi poverkhnosti [Structure of an empirical formula for the calculation of evaporation from water surfaces], 19.7-371
Geller, L. A., *see* **Baranskii, L. N.,** 19.11-574
Gellert, J. F.
Neue chinesische Hochgebirgs- und gletscherforschung in Innerasien [Recent Chinese high mountain and glacier studies in Central Asia], 19.3-669
Gelman, Melvyn E., *see* **Johnson, K. W.,** 19.10-309
Genadiev, N.
Interdependence between cooling rate and freezing temperature of waterdrops on metal plate, 19.11-431
Gendrin, R.
E.B.F. et micropulsations, [**Pts. 1-2**], 19.1-373; [**Pt. 3**], 19.6-549; [**Pt. 4**], 19.4-549
E.L.F. and micropulsations, 19.9-30
Irregular micropulsations and their relations with the far magnetospheric perturbations (*with* **Lacourly, S.**), 19.11-578
Progres recents dans l'etude des ondes T.B.F. et E.B.F., 19.4-550
Relations entre les emissions radioelectriques de tres basse frequence et les perturbations magnetique et ionospherique matinales (*with others*), 19.10-638
General Dynamics. Convair Div., San Diego, Calif.
Analog time series from an ocean data station buoy, 19.8-702
Generalov, A. A.
Gigienicheskaia otsenka estestvennoi ul'trafioletovoi radiatsii v Tashkente [Hygienic evaluation of natural UV radiation in Tashkent], 19.2-210
Geneve, R.
Problemes de la meteorologie tropicale, 19.4-284
Genkin, Z. A., *see* **Sinotin, V. I.,** 19.8-779
Genoa. Universita. Istituto Geofisico. Osservatorio Meteorologico
Riassunto, 1967, 19.12-27
Gensler, G.
Der Eintrittsmonat des jahresperiodischen Niederschlagsmaximums in einigen Abschnitten des Alpenraumes in verschiedenen Klimaperioden [The month of onset of annual periodic precipitation maxima in some sections of the Alpine region during various climatic periods], 19.5-311
Gent, H., *see* **Slee, O. B.,** 19.5-549
Gentner, W.
Auf der Suche nach Kraterglaesern, Tektiten und Meteoriten in Afrika [Search for crater glass, tektites and meteorites in Africa], 19.11-658
Gentry, R. Cecil
Nature and scope of hurricane damage, 19.9-336
Project STORMFURY, a hurricane modification experiment (*with* **Edelstein, M. W.**), 19.11-213
Geokhlanian, T. Kh.
K voprosu o roli korpuskuliarnykh potokov v formirovanii zimnikh stratosfernykh poteplenii [The role of corpuscular streams in the formation of winter stratospheric warming] (*with* **Riazanova, L. A.** and **Trubnikov, B. N.**), 19.10-308
Geomagnetizm i Aeronomiia, [Moscow]
Osnovnye itogi sovetskikh issledovanii po geomagnetizmu i aeronomii za 50 let (1917-1967 gg) [Main results of Soviet geomagnetic and aeronomy research, 1917-1967] [and Eng. transl.], 19.5-454
Geonautics, Inc., Wash., D.C.
Navigation catalogue for APOLLO tracking ships: a summary of the environmental factors affecting geographic position determination, 19.7-82
George, C. J., *see* **Datta, R. K.,** 19.7-844
George, Douglas C., *see* **Berg, T. G. O.,** 19.5-389, 19.9-483
George, John R., *see* **Anderson, P. W.,** 19.6-761
George, P. A.
Catastrophic flood of Aug. 7, 1958 in South Kerala (*with* **Raman, P. K.** and **Raghavan, K.**), 19.7-846
Georges, T. M.
HF Doppler studies of traveling ionospheric disturbances, 19.12-479
Georgiev, Iu. S.
O dinamike kholodnogo promezhutochnogo sloia v Chernom more [Dynamics of the cold intermediate layer in the Black Sea], 19.11-725
Ob advektsii kholodnykh vod v Chernom more v zimnii period [Cold water advection in the Black Sea in winter], 19.10-740
Georgii, Hans Walter
Assessing SO_2 enrichment as dependent on meteorological factors (*with* **Hoffmann, L.**), 19.6-202
Relations between the chemical composition of atmospheric aerosol particles and the concentration of natural ice nuclei (*with* **Kleinjung, E.**), 19.9-263
Georgii, Walter
Thermodynamik und Kinematik des Kaltluft-

foehns [Thermodynamics and kinematics of cold air foehn], 19.3-235
Gerard, Robert D.
Condensation of atmospheric moisture from tropical maritime air masses as a freshwater resource (*with* **Worzel, J. L.**), 19.4-325
Gerasimov, Strakhil
Formula za srednata skorost na dotichane na vodata po planinski i predplaninski reki [Formula for the mean rate of river flow in mountains and foothills], 19.1-591
Reduktsionni krivi na duzhdovete v baseinite na rekite Maritsa, Arda i Tundzha [Reflection curves of the rainfalls in the basins of the Maritsa, Arda and Tundzha Rivers], 19.8-435
Gerasimov, V. A.
Selevye potoki v raione g. Tyrnyauza 1/VIII 1960 g 14/VIII 1961 g i 31/VII 1962 g [Mud flows in the Tyrnyauz mountain area Aug. 1, 1960, Aug. 14, 1961 and July 31, 1962], 19.10-456
Gerber, H. E.
New method of rapidly measuring the oil droplet size distribution of an oil fog, 19.7-153
Gericke, Hermann
Mechanical conveyance of useful dust, 19.7-80
Gerks, Irvin H.
Propagation in a superrefractive troposphere with a nontrapping surface layer, 19.7-236
German, V. Kh.
Raschet garmonicheskikh sostavliaiushchikh v mnogoletnikh kolebaniiakh urovnia Aral'skogo moria [Computation of harmonic components in long range oscillations of the level of the Aral Sea], 19.4-623
Raschet maksimal'nykh urovnei nizkoi obespechennosti na primere Kaspiiskogo i Aral'skogo morei [Computation of maximum water level of low probability as illustrated by the Caspian and Aral Seas] (*with* **Dovgopol, N. P.**), 19.4-624
Germany. Deutscher Wetterdienst
Klima-Atlas von Schleswig-Holstein, Hamburg und Bremen [Climatic atlas of Schleswig-Holstein, Hamburg and Bremen], 19.10-22
Germany (Federal Republic). Deutscher Wetterdienst
Agrarmeteorologische Bibliographie, 1965, 19.7-44
Jahresbericht, 1966 [Annual Report, 1966], 19.3-17
Gerrard, J. H.
Experimental investigation of separated boundary layer undergoing transition to turbulence, 19.10-327
Gerrish, Harold P.
Mesoscale studies of instability patterns and winds in the tropics, 19.3-292; 19.12-254
Tornadoes and waterspouts in the South Florida area, 19.9-346
Gershman, B. N.
Ob ustoichivosti sporadicheskogo sloia E [Stability of the sporadic E layer] (*with* **Ignat'ev, Iu. A.**) [and Eng. transl.], 19.7-505
Gerwin, Richard
Hydromagnetic surface waves in a conducting liquid surrounded by a compressible gas, 19.6-537
Getmantsev, G. G.
Chastotnyi spektr kosmicheskogo radioizlucheniia v diapazone 10-207 MHz na vysokikh galakticheskikh shirotakh [Frequency spectrum of cosmic radio emission in the 10-207 MHz range at high galactic latitudes] (*with others*) [and Eng. transl.], 19.10-657
Geyer, Richard A.
Effects of surface and shore environments, 19.1-19
Gezalian, M. G.
O napriazhennosti vodnogo rezhima neizolirovannykh list'ev i novom metode ego issledovaniia [Intensity of the water regime of non-insulated leaves and a new method of investigation], 19.9-470
Gheorghiu, Margareta, *see* **Modval, M.,** 19.11-94
Gherzi, Ernest E.
Atmospheric electricity at Brebeuf College Geophysical Observatory in Montreal, Canada, Pt. 1, 19.2-329
Nota sull'elettricita atmosferica e previsione del tempo di superfice, 19.10-496
Note on the reception at Brebeuf College in Montreal of pulses from distant loran stations on the Atlantic Coast, 19.2-353
Very high frequency (950 MHz) atmospherics recorded during overhead thunderstorms, 19.5-390
Ghose, S. K.
On some aspects of climatology and hydrometeorology of the Damodar Valley area, 19.7-417
On the derivation of unit hydrograph for estimating flood discharge at Ramgarh in Damodar Valley, 19.4-769
On the estimation of water loss from the Damodar Valley reservoirs, 19.7-372
Ghosh, Ashim K.
Vertical currents in a thundercloud over Gauhati on March 20, 1966 (*with* **Day, J. S.**), 19.4-308
Ghosh, B. P.
Radar study on thunderstorms and convective clouds around New Delhi during southwest monsoon season, 19.6-107
Ghosh, S. N.
Distributions and lifetimes of N and NO between 100 and 280 kilometers, 19.5-166
Gibbons, J. H., *see* **Macklin, R. L.,** 19.1-474
Gibbs, A. E., *see* **Sharp, A. L.,** 19.3-701
Gibbs, W. J.
Fallout over Australia from nuclear weapons tested by France in Polynesia from July to October, 1966, 19.1-169; . . . during June and July 1967 (*with others*), 19.7-257
Rainfall deciles as drought indicators (*with* **Maher, J. V.**), 19.1-305
Gibson, R. D.
Some comments on the theory of homogeneous dynamos (*with* **Roberts, P. H.**), 19.3-452

Gienapp, Hans
Vergleich berechneter und gemessener Seegangsgroessen von Mellum-Plate (Deutsche Bucht) [Comparison of computed and measured sea waves at Mellum-Plate (German Bight)], 19.10-762
Gierasch, Peter
Approximate calculation of radiative heating and radiative equilibrium in the Martian atmosphere (*with* **Goody, R.**), 19.3-561
Study of the thermal and dynamical structure of the Martian lower atmosphere (*with* **Goody, R.**), 19.10-686
Gierhart, G. D.
Interference predictions for VHF/UHF air navigation aids (*with* **Johnson, M. E.**), 19.11-101
Giese, Richard Heinrich
Exploration of the interplanetary medium from Lunar and cislunar space (*with* **Luest, R.**), 19.6-30
Zur Ausbreitung kuenstlicher Metalldampfwolken in der Hochatmsophaere [Distribution of artificial metal vapor clouds in the high atmosphere] (*with* **Smilga, W.**), 19.6-105
Gifford, Frank, Jr.
Dimensional analysis of the surface layer equations, 19.9-25
Simplified atmospheric diffusion calculations with slide-rule gage points (*with* **Waterfield, R.**), 19.4-288
Variation of the Lagrangian-Eulerian time scale relationship with stability, 19.4-213
Gifford, Richard O.
Probability of selected precipitation amounts in the Western Region of the United States (*with* **Ashcroft, G. L.** and **Magnuson, M. D.**), 19.7-403
Gigineishvili, V. M.
Gradobitiia v Kazakh-Kirovabadskoi i Nukha-Zakatal'skoi zonakh Azerbaidzhana [Hail damage in the Kazakh-Kirovadbad and Nukha-Zakatal zones in Azerbaijan], 19.10-448
Gil, F. Cocho, *see* **Cocho Gil, F.**
Gilbert, Dewayne E.
California plant climates (*with* **Peterson, G. D., Jr.**), 19.10-476
Plant climates and plant climate map of Placer County (*with* **Peterson, G. D., Jr.**), 19.10-477
See also **Kimball, M. H.**, 19.7-460
Gilbert, H. E., *see* **Hundhausen, A. J.**, 19.11-590
Gilbert, William E.
Carpenter's oxygen solubility tables and nomograph for seawater as a function of temperature and salinity (*with* **Pawley, W.** and **Park, K.**), 19.11-721
Surface temperature and salinity observations at Pacific northwest shore stations for 1967 (*with* **Wyatt, B.**), 19.8-705
See also **Wyatt, B.**, 19.3-612, 19.8-706
Gilchrist, A., *see* **Corby, G. A.**, 19.3-171
Gilic, A.
Geofizicka istrazivanja na Hvaru za vrijeme totalne pomrcine sunca 15. veljace 1961 [Geophysical exploration on the Island of Hvar during the total eclipse of the Sun on Feb. 15, 1961] (*with others*), 19.10-706
Gilinsky, Victor
Development of a radio signal from a nuclear explosion in the atmosphere (*with* **Peebles, G.**), 19.4-49
Gill, A. E.
Linear model of the Antarctic circumpolar current, 19.10-748
See also **Longuet-Higgins, M. S.**, 19.5-658
Gill, D. S.
Diurnal variation of the sea-breeze at three stations in northeast Scotland, 19.9-444
Gill, Gerald C.
Accuracy of wind measurements on towers or stacks (*with others*), 19.1-97
Gille, John C.
Acoustic wave propagation in a non-gray radiating atmosphere, 19.12-462
Acoustic-gravity wave ducting in the atmosphere by vertical temperature structure, 19.11-307
General nature of acoustic-gravity waves 19.11-308
Inclusion of radiative effects in atmospheric simulation, 19.3-202
Interferometric measurement of temperature gradient reversal in a layer of convecting air 19.6-312
On the possibility of estimating diurnal temperature variation at the stratopause from horizon radiance measurements, 19.8-249
Gilliland, J. M.
Solar-terrestrial physics: a glossary of terms and abbreviations, 19.9-79
Gilman, Peter A., *see* **Starr, V. P.**, 19.7-685
Gilmer, R. O.
Solid-state system for measurement of integrated refractive index (*with* **Waters, D. M.**), 19.7-251
Gilpin, C. B., *see* **Greenman, N. N.**, 19.1-465
Gilvarry, J. J.
Solar oblateness and the perihelion advances of planets (*with* **Sturrock, P. A.**), 19.6-611
See also **Sturrock, P. A.**, 19.6-613
Gimse, O.
Spectacular activation of a prominence on March 25, 1967 (*with* **Hosinsky, G.**), 19.3-591
Gindysh, B. V., *see* **Maksimov, I. V.**, 19.1-461
Gingerich, Owen
Bilderberg model of the photosphere and low chromosphere (*with* **de Jager, C.**), 19.8-673
Far ultraviolet spectrum of the Sun (*with* **Rich, J. C.**), 19.7-698
See also **Carbon, D.**, 19.9-712
Ginzburg, B. M.
O nekotorykh voprosakh metodiki dolgosrochnykh ledovykh prognozov [Some problems of the technique of long range ice forecasting], 19.4-736
Ginzburg, Vitalii Lazarevich
Kosmicheskie luchi u Zemli i vo vselennoi [Cosmic rays on Earth and in space], 19.7-30
Rasprostranenie elektromagnitnykh voln v plazme [Electromagnetic diffusion of waves in plasma] (2nd ed.), 19.9-3

- **iorgi, Maurizio**
  - Calendario Geofisico Internazionale, 1967, 19.5-25
  - Catalogo dei dati geofisici relativi agli Anni Internazionali di Quiete Solare 1964-1965, 19.4-16
  - Constantes harmoniques de maree: prevision de la maree et des courants de maree a l'aide de calculateurs electroniques (*with* **Stocchino, C.**), 19.12-747
  - Dati di radioattivita ambientale della rete CNR-AGI (*with* **Dalu, G.**), 19.9-297
  - Magnetometro a pompaggio ottico (*with* **Scotto, V.**), 19.9-629
  - Relazione sull'attivita organizzativa, scientifica e didattica del CENFAM: Esercizio Finanziario 1967, 19.11-64
  - Statistical investigation on polar aurores (*with* **Gregori, G. P.** and **Valenti, C.**), 19.11-547
  - *See also* **Dalu, G.**, 19.9-205
- **iorgini, Aldo**
  - Numerical experiment on a turbulence model, 19.10-328
- **irard, Alfred L.**, *see* **McCalmont, A. M.**, 19.1-525
- **iraytys, James**
  - Utilization of buoys from a user's standpoint, 19.1-519
  - *See also* **Simpson, R. H.**, 19.8-308
- **irdiuk, G. V.**
  - Ob ispol'zovanii radiometra GGO dlia izmerenii effektivnogo izlucheniia poverkhnosti moria [Use of the Main Geophysical Obs. radiometer to measure the effective radiation of the sea surface], 19.1-101
  - Ob izluchatel'noi sposobnosti poverkhnosti vody [Radiating power of a water surface] (*with* **Malevskii-Malevich, S. P.**), 19.1-211
- **irs, A. A.**
  - On peculiarities of the Arctic meteorological regime in different stages of the circulation epoch of 1949-1964, 19.12-195
  - Rol' atmosfernoi tsirkuliatsii v formirovanii teplovogo rezhima Arktiki [Role of atmospheric circulation in the formation of the Arctic heat regime], 19.2-163
  - Some features of the intra-annual transformation of the atmospheric circulation patterns and their importance in forecasting [Transl. from Russ.], 19.9-324
- **itlin, Sonia N.**
  - Liquid water content of hailstones (*with* **Goyer, G. G.** and **Henderson, T. J.**), 19.2-302
- **iudici, G.**, *see* **Cagnetti, P.**, 19.9-465; **Gazzola, A.**, 19.12-253
- **iurova, M.**
  - Vliianie na agrometeorologichnite usloviia vurkhu elementite na dobiva pri fasula [Effect of agrometeorological conditions on bean crops], 19.6-73
- **iver, L. P.**
  - Molecular hydrogen features in the spectra of Saturn and Uranus (*with* **Spinrad, H.**), 19.3-571
- **ivoni, B.**
  - Rectal temperature in the prediction of permissible work rates in hot environments (*with* **Sohar, E.**), 19.11-357
- **Gjessing, Dag T.**
  - Absorption of radio waves in the troposphere, 19.8-240
  - Radio physical aspects of irregular structure in the atmosphere, 19.10-212
  - Simple instrument for the measurement of fine scale structure of temperature, and humidity, and hence also the refractive index, in the troposphere (*with others*), 19.6-154
  - Tropospheric refraction and its influence on the coverage of long range radars, 19.8-272
- **Gladki, Hanna**
  - Wplyw czynnikow hydrometeorologicznych na czas trwania wiosennej fali powodziowej [Effect of hydrometeorological agents on the duration of the spring flood wave], 19.10-795
  - Wyznaczanie brakujacych obserwacji aktualnej preznosci pary wodnej do obliczania parowania metoda Konstantinova [Determination of the lack of observational data on actual vapor pressure for computation of evaporation with Konstantinov's method], 19.10-396
- **Gladshtein, N. D.**
  - Statisticheskie svoistva pomekh ot predrazriadnoi chasti molnievogo razriada [Statistical properties of interferences by a stepped leader of a lightning flash] [and Eng. transl.], 19.6-469
- **Glagolev, Iu. A.**
  - Eksperimental'nye dannye o tochnosti izmerenii temperatury vozdukha v svobodnoi atmosfere nekotorymi tipami termistorov [Experimental data on the accuracy of air temperature measurements in the free atmosphere with several types of thermistors] (*with* **Krechmer, M. V.** and **Tormoz, L. F.**), 19.9-173
  - Teoreticheskaia zavisimost' teplovykh oshibok businkovykh termistorov ot ikh parametrov i uslovii izmereniia [Theoretical relationships between temperature errors of bead thermistors and the instruments' parameters and conditions of measurement], 19.9-174
  - *See also* **Arbuzova, V. N.**, 19.9-172
- **Glagoleva, M. G.**
  - Predvychislenie koeffitsientov razlozheniia baricheskikh polei dlia rascheta volneniia [Forecasting the coefficients of expansion of pressure fields for calculating swell] (*with* **Gracheva, N. A.** and **Sidel'nikova, T. M.**), 19.11-192
  - Prognozy temperatury vody i neperiodicheskikh techenii v okeanakh i moriakh [Forecasts of water temperature and of aperiodic currents in oceans and seas] (*with* **Sauskan, E. M.** and **Skriptunova, L. I.**), 19.9-229
- **Glahn, Harry R.**
  - Canonical correlation and its relationship to discriminant analysis and multiple regression, 19.2-65
  - Short range, subsynoptic surface weather prediction (*with* **Lowry, D. A.**), 19.3-100
- **Gland, H.**
  - Turbulence exceptionnelle en air clair sur la France, Nov. 5, 1965, 19.11-391
  - *See also* **Brochet, P.**, 19.4-283

Glasko, V. B.
Ispol'zovanie metoda reguliarizatsii dlia resheniia zadachi termicheskogo zondirovaniia atmosfery [Use of the regularization method for solving the problem of thermal sounding of the atmosphere] (*with* **Timofeev, Iu. M.**) [and Eng. transl.], 19.12-245

Glass, Bill
Microtektites in deep-sea sediments, 19.4-583

Glass, C. J.
Factors influencing the management of the study of the feasibility of National Data Buoy Systems, 19.1-520

Glass, L. Joe
How rainfall affects shallow channel flow (*with* **Smerdon, E. T.**), 19.4-335

Glass, Roy I.
High-resolution continuous pressure sensor modification for radiosondes (*with* **Reynolds, R. D.** and **Lamberth, R. L.**), 19.3-92

Glazova, O. P.
Prognoz temperatury vozdukha u zemnoi poverkhnosti [Forecasting atmospheric temperature near the ground], 19.12-119
See also **Shekhtman, A. N.**, 19.9-549

Glazyrin, G. E.
Raschet srednei po vertikali plotnosti snezhnogo pokrova [Computation of the mean vertical density of snow cover] (*with* **Denisov, Iu. M.**), 19.4-352

Gleason, Robert R., *see* **Breaker, L. C.**, 19.12-731

Gleeson, L. J.
Cosmic rays in the interplanetary medium (*with* **Axford, W. I.**), 19.2-427

Gleeson, Thomas A.
Modern physical basis for meteorological prediction, 19.11-177

Gleissberg, W.
Duration of the zonal spot activity, 19.11-676
Secularly smoothed data on the minima and maxima of sunspot frequency, 19.7-692

Glen, J. W.
Deformation of ice single crystals at low temperatures (*with* **Jones, S. J.**), 19.11-757
Glaciology and the International Hydrological Decade, 19.10-29

Glinskii, N. T.
Spectral method in the investigation of internal waves [Transl. from Russ.], 19.2-571

Gloede, P.
Development of storms in the lower ionosphere at medium latitudes (*with* **Knuth, R.** and **Lauter, E. A.**), 19.10-524

Glooschenko, W. A., *see* **Park, K.**, 19.1-548

Glover, Kenneth M., *see* **Atlas, D.**, 19.6-230

Glover, Vincent M., *see* **Bushnell, R. H.**, 19.12-212

Gluck, Serge
Determination du lit rocheux sous la Mer de Glace par seismique-reflexion, 19.5-714

Glukh, I. S.
Gidroklimaticheskaia kharakteristika anomal'nykh po vodnosti let Zapadnoi Sibiri [Hydroclimatic characteristics of years with abnormal water in West Siberia], 19.11-791

Glushkova, N. I.
Nekotorye utocheneniia k prognozu grada [Sc
improvements in hail forecasting], 19.7-192

Gnevyshev, M. N.
Lyot-coronagraph with 53 cm objective (*w*
Nikol'skii, G. M. and **Sazanov, A. A.**), 19.5-
Samyi bol'shoi vnezatmennyi koronograf [
largest noneclipse coronograph] (*w*
Nikol'skii, G. M. and **Sazonov, A. A.**), 19.1-

Gnevysheva, R. S.
Sravnenie Pulkovskogo i Grinvichskogo katalo
solnechnykh piaten [Comparison between
Pulkovo and Greenwich sunspot catalogu
[and Eng. transl.], 19.10-698

Gnilitskii, V. V.
Nekotorye pereschetnye skhemy
preobrazovaniia posledovatel'nogo chislo-im
'snogo koda v dvoichno-desiatichnyi [S
sealing circuits for converting a digital imp
code into a binary decimal one], 19.11-162
Raschet skhemy upravleniia perforiruiushc
elektromagnitom bloka avtomatiki AR
[Design of a control circuit for a perfora
electromagnetic assembly of an autom
hydrological regime recording statio
19.11-163

Gnilko, M. K.
Priroda magnitnykh anomalii Zakarpatsk
vnutrennego progiba (po dannym izuche
magnitnykh svoistv) [The nature of magn
anomalies of the Transcarpathian inner dep
sion (according to the data of stud
magnetic properties of rocks)] (*w*
Mikhailova, N. P. and **Gapak, I. V.**), 19.12-

Godard, S.
Radiometeorologie: applications de la ra
metrie [et] applications du ra
atmospherique [et] amelioration du recep
(*with* **Juillerat, R.**), 19.5-73

Godbole, B. H., *see* **Mallik, A. K.**, 19.7-408

Godfrey, E. F., *see* **Winn, P. N.**, 19.3-41

Godier, R.
Amelioration des mesures par condition
givrage dans les stations automatiques, 19.4-

Godoli, Giovanni
Mappe dei flocculi solari in radiazione K del C
per gli Anni Internazionali di Quiete So
(IQSY), 1964-1965, 19.5-26
Numeri caratteristici definitivi dei flocculi
calcio per gli anni internazionali di quiete so
(*with* **Mazzucconi, F.** and **Monsignori Fossi**
C.), 19.7-696
On the Sun's polar magnetic fields, 19.12-649

Godshall, Frederic A.
Intertropical convergence zone and mean cl
amount in the tropical Pacific Ocean, 19.8-
Natural daylight illumination in northeas
United States, 19.9-373

Godson, W. L.
Long-period atmospheric oscillations as c
ponents of the general circulation, 19.3-166
See also **Hunten, D. M.**, 19.3-143

Goetz, Alexander F. H.
Method for obtaining differential 8-13μ spe

of the Moon and other extended objects (*with* **Westphal, J. A.**), 19.6-590
Gofmekler, V. A., *see* **Riazanov, V. A.,** 19.5-172
Gogatishvili, Ia. M.
O raspredelenii korotkoperiodicheskikh kolebanii vnutri geomagnitnykh bur' [Distribution of short period fluctuations within geomagnetic storms] [and Eng. transl.], 19.7-599
Gohs, Ludwig
Beziehungen zwischen hydrooptischen und hydrographischen Parametern in den Mulden der Ostsee [Relationship between hydrooptical and hydrographical parameters in troughs in the Baltic Sea], 19.11-713
Goisa, N. I.
Radiatsionnyi rezhim kukuruzy v usloviiakh orosheniia [Radiation regime of corn under irrigation] (*with others*), 19.10-284
Gokhale, G. S.
Atmospheric circulation at altitudes up to 37 km over India in the latitude belt 17°-19°N (*with* **Menon, M. G. K.** and **Redkar, R. T.**), 19.4-218
Gokhale, Narayan R., *see* **Nelson, R. T.,** 19.11-435
Gokhberg, M.
Poliarizatsiia gidromagnitnykh kolebanii tipa Pc-1 (zhemchuzhiny) v magnitno sopriazhennykh tochkakh Sogra (SSSR) – Kergelen (Frantsiia) [Polarization of Pc-1 (pearl type) hydromagnetic emissions at the magneticall conjugate points, Sogra (U.S.S.R.) – Kerguelen (France)] (*with others*) [and Eng. transl.], 19.3-478
Gold, Barry A.
Time variability of volume scattering in a small oceanic area (*with* **Van Schuyler, P.**), 19.5-646
Gold, L. W.
Time to formation of first cracks in ice, 19.11-758
Gold, Raymond
Radiocarbon production rate near sea level, 19.7-220
Gold, T., *see* **Campbell, M. J.,** 19.10-675
Goldberg, E. D., *see* **Windom, H.,** 19.6-222
Goldberg, L. J.
Application of the microaerofluorometer to the study of dispersion of a fluorescent aerosol into a selected atmosphere, 19.3-94
Goldberg, Leo
Space solar physics, 19.11-670
Ultraviolet and X-rays from the Sun, 19.6-626
Golde, R. H.
Lightning conductor, 19.1-345
Golden, Joseph H.
Life-cycle of convective cloud systems as portrayed by radar and TIROS photographs, 19.6-384
Waterspouts at Lower Matecumbe Key, Florida, Sept. 2, 1967, 19.8-309
Gol'denberg, M. L.
Automatic integrating fluctuation meters and gradient recorders (*with* **Kachurin, L. G.** and **Tolstobrov, B. Ia.**) [Transl. from Russ.], 19.8-109
Goldie, E. C. W.
Berkshire halo display of May 11, 1965 (*with* **Heighes, J. M.**), 19.9-555
Gol'din, B. M.
O vychislenii skorostei selevykh potokov dlia rek Kryma [Computing the velocities of mudflows for Crimean rivers] (*with* **Liubashevskii, L. S.**), 19.6-766
Goldman, Aharon
Atmospheric absorption of solar radiation by the 9.6μ ozone band (*with others*), 19.11-350
Goldman, Joseph L.
High speed updraft: the key to the severe thunderstorm, 19.7-294
Mathematical formulation of severe storm flow, 19.12-216
Goldman, R. F., *see* **Roller, W. L.,** 19.8-325
Goldreich, Peter
Q in the solar system (*with* **Soter, S.**), 19.2-488
Stimulated inverse Compton scattering in radio sources (*with* **McCray, R.** and **Rees, M. J.**), 19.9-665
Goldsmith, J., *see* **Pfenninger, W.,** 19.10-338
Goldstein, R., *see* **Easterling, M.,** 19.8-643
Golikov, V. I., *see* **Shifrin, K. S.,** 19.9-187
Golitsyn, G. S.
Kolebaniia v atmosfere, vyzyvaemye dvizheniiami zemnoi poverkhnosti [Atmospheric oscillations caused by the Earth's surface movements] (*with* **Kliatskin, V. I.**) [and Eng. transl.], 19.4-212
Mezhdunarodnaia konferentsiia po planirovaniiu "Proekta global'nykh atmosfernykh issledovanii (GARP)" [Study Conference on the Global Atmospheric Research Program (GARP)] [and Eng. transl.], 19.11-31
Golley, M. G., *see* **Briggs, B. H.,** 19.12-473
Golokova, R. G.
K voprosu o teplovom rezhime abliatsii lednika Tsentral'nogo Tuiuksuiskogo [Problem of the ablation heat regime of the Central Tuyuksu Glacier] (*with* **Rakhimzhanova, G. A.**), 19.6-718
Golomb, D.
Air densities in the lower thermosphere from jet radii (*with* **Good, R. E.** and **Mabee, R. S.**), 19.8-218
Golovin, G. N.
K voprosu o sezonnykh i mezhgodovykh kolebaniiakh mestopolozheniia tsentra Aleutskoi depressii [Seasonal and annual fluctuations of the location of the center of the Aleutian depression], 19.9-327
Golovtsyn, V. N.
Sostoianie ionosfery nad Kievom v 1962 g [State of the ionosphere above Kiev in 1962] (*with* **Kasymova, A. G.**), 19.9-579
Gol'tsberg, Ida Arturovna
Issledovaniia po agro- i mikroklimatologii [Agro- and microclimatological investigations], 19.12-438
Mikroklimat SSSR [Microclimate of the U.S.S.R.] (*ed.*), 19.9-13
Golubev, V. S.
O tochnosti ucheta osadkov summarnymi osadkomerami [Accuracy in calculating precipitation using totalizer precipitation gages], 19.2-100

Golubitskii, B. M.
  Izmereniia spektral'nogo pogloshcheniia CO2 v usloviiakh iskusstvennoi atmosfery [Measurement of spectral absorption of CO2 in an artificial atmosphere] (*with* **Moskalenko, N. I.**) [and Eng. transl.], 19.9-375
  Izmereniia spektral'nogo pogloshcheniia v polosakh parov H2O [Measurements of spectral absorption in the water vapor bands] (*with* **Moskalenko, N. I.**) [and Eng. transl.], 19.10-395
Golubtsov, V. V.
  Metodika rascheta normy godovogo stoka rek i vremennykh vodotokov Tsentral'nogo Kazakhstana [Method of computing normal annual flows of rivers and of intermittent water courses of Central Kazakhstan] (*with* **Lavrent'ev, P. F.**), 19.11-206
  O vnutrivekovykh kolebaniiakh vodonosnosti rek [Intrasecular fluctuations of river flow], 19.10-780
Golyshev, G. I.
  Dvadtsat' piat' let Tsentral'noi aerologicheskoi observatorii [Twenty-five years of the Central Aerological Observatory], 19.7-117
Golysheva, M. A.
  Nekotorye rezul'taty vertikal'nogo zondirovaniia ionosfery na stantsii Vostok v 1960 g [Some results of vertical ionospheric soundings at Vostok Station in 1960] (*with* **Kolomiitsev, O. P.**), 19.3-381
Gondolatsch, Friedrich
  Die Kometen und ihre Spektren [Comets and their spectra], 19.12-612
Gonfiantini, Roberto, *see* **Fontes, J. C.,** 19.5-764
Gonzalez, G., German, *see* **Venezuela. Universidad de Oriente, Cumana. Instituto Oceanografico,** 19.2-46
Good, R. E., *see* **Golomb, D.,** 19.8-218
Goodheart, A. J.
  Odessa: Ocean Data Environmental Sciences Services Acquisition System, 19.9-745
Gooding, R. H.
  On the use of range and range-rate measurements in the new R.A.E. orbit determination program, 19.8-618
  Orbit determination from Minitrack observations, 19.5-110
Goodman, G. S.
  Housing and packing of automatic weather stations, 19.4-119
Goodman, John M.
  Electron content inhomogeneities in the lower ionosphere, 19.4-420
  On the determination of fine scale ionospheric inhomogeneities by means of a Faraday rotation analysis of Echo II radar returns, 19.3-382
Goodson, Kenneth W.
  Effect of ground proximity on the longitudinal, lateral, and control aerodynamic characteristics of a tilt-wing four-propeller V/STOL model, 19.6-22
Goodwin, G. L.
  Fourier analyses and interpretation of D- and E-region winds, 19.12-480
  Some horizontally-moving ionospheric irregularities at high latitudes, 19.7-506
Goody, Richard
  Continued search for the Venus airflow (*with* **McCord, T.**), 19.8-659
  See also **Gierasch, P.,** 19.3-561, 19.10-686
Gopasiuk, S. I.
  Forbush effects and the possibility of the interaction of magnetic bottles produced by solar flares (*with* **Krivsky, L.**), 19.3-424
  K voprosu o radio- i zhestkom rentgenovskom izluchenii solnechnykh vspyshek [On the radio and hard X-ray radiation of solar flares] (*with* **Eriushev, N. N.** and **Neshpor, Iu. I.**), 19.10-701
  O nekotorykh osobennostiakh dvizhenii v odinochnykh solnechnykh piatnakh, I [Some features of motions in single sunspots, Pt. 1], 19.9-705
  Pole skorostei v aktivnoi oblasti na stadii poiavleniia piaten [The velocity field in an active region at the spot appearance stage], 19.12-619
  Vremennye izmeneniia magnitnogo polia v aktivnykh oblastiakh na solntse [Temporal variations of the magnetic field in active solar regions], 19.12-618
Goral', G. G.
  Opredelenie vremeni nakopleniia vody v zone akkumuliatsii do ee obrusheniia [Determination of the time of water storage in an accumulation zone before its collapse], 19.9-501
Goran, Morris
  Experimental Earth sciences, 19.6-38
Gorbatskii, Gerasim Vasil'evich
  Fiziko-geograficheskoe raionirovanie Arktiki, Chast' 1 [Physico-geographical regions of the Arctic, Pt. 1], 19.10-11
Gorbunov, Iu. A.
  Water exchange between the East Siberian and Chukchi Seas through Long Strait [Transl. from Russ.], 19.4-659
  See also **Sokolov, A. L.,** 19.12-752
Gorbunov, V. P., *see* **Matorin, S. V.,** 19.3-69
Gorbunova, I. G.
  Metodika rascheta summarnogo ispareniia na oroshaemykh poliakh [Method of calculating total evaporation from irrigated fields], 19.4-314
Gorbushina, G. N.
  Zona avroral'nogo pogloshcheniia v iuzhnom polusharii v period maksimuma solnechnoi aktivnosti [Auroral absorption zone in the Southern Hemisphere during maximum solar activity] (*with* **Zhulina, E. M.**) [and Eng. transl.], 19.2-354
Gorchakov, G. I.
  Korreliatsionnye sviazi mezhdu opticheskimi kharakteristikami melkodispersnykh dymok [Correlation between the optical characteristics of small-disperse haze] (*with* **Rozenberg, G. V.**) [and Eng. transl.], 19.11-514
Gordon, A. H.
  Lagrangian approach to problems in tropical meteorology, 19.6-238

Gordon, Arnold L.
Circulation of the Caribbean Sea, 19.5-655
Gordon, Arthur L.
Physical oceanography aboard Eltanin, 1966, 19.4-609
Gordon, M. A.
Night sky photometry of [OI] λ 5577 and λ 6300 inside the southern auroral zone, 19.7-559
Gordon, W. E.
F-region and magnetosphere: backscatter results, 19.9-30
Spherical reflectors in radio telescopes–a critical study, 19.9-31
Gorelik, A. G.
Equipment for the study of statistical characteristics of radar echo [Transl. from Russ.], 19.9-199
Increasing the receiver sensitivity of an aerological radar set (*with others*) [Transl. from Russ.], 19.9-200
Izmerenie vetra v pogranichnom sloe po radiolokatsionnym otrazheniiam ot "iasnogo neba" [Measurement of wind in the boundary layer according to the radar echoes from a clear sky] (*with* **Patsaeva, V. A.**), 19.4-73
Radiolokatsionnye metody issledovaniia turbulentnosti atmosfery [Atmospheric turbulence research by radar methods], 19.11-384
Rezul'taty sovmestnykh radiolokatsionnykh i nazemnykh izmerenii mikrostruktury osadkov̄ [Results of simultaneous radar and ground measurements of precipitation microstructure] (*with others*) [and Eng. transl.], 19.1-307
Goresy, Ahmed El, *see* **El Goresy, Ahmed**
Gorgolewski, Stanislaw
Lunar radio astronomy observatory, 19.6-30
Goriunov, I. V.
Ledovo-termicheskii rezhim Nizhnei Volgi posle sooruzheniia Volzhskoi GES im. XXII s"ezda KPSS i obrazovaniia Volgogradskogo vodokhranilishcha [Ice-thermal regime of the low Volga after the building of the Volzhskaia hydroelectric plant named in honor of the XXIInd Congress of the CPSU and formation of the Volgograd reservoir] (*with* **Perzhinskii, V. V.**), 19.3-222
Gornick, Fred, *see* **Price, F. P.,** 19.4-322
Gosling, J. T.
Satellite observations of interplanetary shockwaves (*with others*), 19.4-541
Gossard, Earl E.
Case study of a periodic structure in the atmosphere near the 90 km level (*with* **Paulson, M. R.**), 19.12-560
Turbulent structure of the atmosphere near the mesopause, 19.9-580
Gostan, Jacques
Comparaison entre les conditions hydrologiques et climatiques observees dans le golfe de Genes pendant les hivers 1962-1963 et 1963-1964, 19.3-654
Remarques sur les minimums de salinite observes dans les eaux littorales du golfe de Genes, 19.3-640
Gothard, Nicholas
Guidance in the magnetosphere along field-alined irregularities, 19.7-507
Goto, M., *see* **Harada, A.,** 19.7-223
Gottifredi, J. C.
Suppression of wind-generated waves by a surface film (*with* **Jameson, G. J.**), 19.10-759
Gottwald, Ales
Geometrie spiralfoermiger Wolkenbaender im Bereich von Tiefdruckgebieten nach den Aufnahmen aus meteorologischen Satelliten [Geometry of spiral cloud bands in low pressure areas according to photographs made by meteorological satellites], 19.11-440
Gotz, Gusztav
Effet du profil vertical du vent sur la formation et l'evolution des mouvements verticaux dans une atmosphere thermiquement stable (*with* **Meszaros, E.** and **Papai, G.**), 19.7-344
Jegesok gyakorisaganak teruleti eloszlasa a nyari felevben Magyarorszagon [Areal distribution of hail frequencies in Hungary during the summer half-year] (*with* **Meszaros, E.**), 19.7-439
Zivatartevekenyseg a teli felevben Magyarorszagon [Thunderstorm activity in Hungary during the winter half-year] (*with* **Papai, G.**), 19.6-277
Goudas, Constantine L., *see* **International Conference on Selenodesy and Lunar Topography, 2nd, Univ. of Manchester, England, May-June, 1966,** 19.1-22
Goudeau, D. A.
Storm surge over the Mississippi River Delta accompanying Hurricane Betsy, 1965 (*with* **Conner, W. C.**), 19.7-289
Gougenheim, Andre
Deux ingenieurs hydrographes du XIX^{e} siecle, precurseurs en matiere de dynamique des mers [Two hydrographic engineers of the 19th century, forerunners in the field of dynamics of the sea], 19.1-554
Gough, D. I.
Portable three-component magnetic variometer (*with* **Reitzel, J. S.**), 19.5-463
Gouin, Pierre
Unusual twilight phenomena over Ethiopia, 19.8-468
Goulard, R.
Radiative control of flow problems in aerodynamics, 19.8-629
Gould, R. W. E.
Wind tunnel tests on chimneys of circular section at high Reynolds Numbers (*with* **Raymer, W. G.** and **Ponsford, P. J.**), 19.12-289
Gould, Robert J.
High energy photons and neutrinos from cosmic sources (*with* **Burbidge, G. R.**), 19.10-588
Hochenergie-Erscheinungen in der Astrophysik [High energy phenomena in astrophysics], 19.6-566
Goutelard, Claude
Sur le role du sol et de la mer en retrodiffusion ionospherique, 19.10-525

Gouws, V. C.
- Analysis of rainfall over South Africa for the period July 1-Dec. 31, 1967, 19.10-416; . . . July 1, 1967 to February 29, 1968, 19.12-361
- Reenval vir die seisoen 1 Julie 1966 tot 31 Mei 1967 [Rainfall for July 1, 1966 - May 31, 1967], 19.8-434

Govorukha, L. S.
- Voprosy gliatsiologicheskoi izuchennosti Sovetskoi Arktiki i osnovnye osobennosti rezhima ee oledeneniia [Glaciological study of the Soviet Arctic and main features of its glaciation regime], 19.11-775

Gow, Anthony J.
- Deep core studies of the accumulation and densification of snow at Byrd Station and Little America V, Antarctica, 19.12-419
- Electrolytic conductivity of snow and glacier ice from Antarctica and Greenland, 19.12-379

Goya, H. A.
- Adsorption of trace elements from seawater by Chelex 100 (*with* **Lai, M. G.**), 19.6-662
- *See also* **Lai, M. G.**, 19.6-663

Goyer, Guy G.
- Hail suppression in the U.S.S.R., 19.4-171
- On the role of shock waves and adiabatic cooling in the nucleation of ice crystals by the lightning discharge (*with* **Plooster, M. N.**), 19.12-327
- Use of explosive nuclei generators in the study of cumulus clouds, 19.11-237
- *See also* **Gitlin, S. N.**, 19.2-302; **Jones, D. L.**, 19.10-502

Grace, Robert A.
- Scale model of urban runoff from storm rainfall (*with* **Eagleson, P. S.**) [Discussion by D. I. H. Barr], 19.10-790

Grace, W. R. and Co. Dewey and Almy Chemical Div.
- Study of the theoretical and practical aspects of ascent rate in meteorological high altitude balloon soundings, 19.9-4

Gracheva, N. A., *see* **Glagoleva, M. G.**, 19.11-192

Gradowczyk, Mario H.
- Wave propagation and boundary instability in erodible-bed channels, 19.12-796

Grady, John R., *see* **Armstrong, R. S.**, 19.11-693

Graf, E. R.
- Correlation between solar activity and the brightness of Jupiter's great red spot (*with* **Smith, C. E.** and **McDevitt, F. R.**), 19.11-677

Graf, W. H., *see* **Liggett, J. A.**, 19.8-774

Grafe, Armin
- Probleme der Analyse des Ringstromfeldes in Verbindung mit den D_{st}-Variationen [Analysis of the ring current field in connection with Dst variations], 19.7-482
- *See also* **Fanselau, G.**, 19.7-603

Graffe, Volker
- Digital recording of *in situ* depth-temperature-salinity data, 19.7-717

Graham, I. R.
- Analysis of turbulence statistics at Fort Wayne, Indiana, 19.3-223

Graham, John J., Jr., *see* **Wright, J. B.**, 19.5-103

Graham, Ronald P., *see* **Jones, W. B.**, 19.6-490

Graingauz, K. I., *see* **Bezrukikh, V. V.**, 19.4-266

Grainger, John
- Frost and wind damage to plants, 19.9-96
- Meteorology and plant physiology in potato blight forecasting, 19.7-184

Grama, M.
- Prevederea temperaturii minime pentru raionul Bacau [Forecasting the lowest temperature as for Bacau region], 19.11-185

Grandjean, J.
- Propos d'un altocumulus lenticularis, 19.4-328

Grandoso, Hector, *see* **Fujita, T.**, 19.9-349, 19.10-89

Granitskii, L. V.
- Automatic programmed scaler (*with others*) [Transl. from Russ.], 19.1-15

Grant, Lewis O.
- Randomized cloud seeding experiment at Climax, Colorado, 1960-65 (*with* **Mielke, P. W., Jr.**), 19.7-210
- Recognition of cloud seeding opportunity (*with* **Chappell, C. F.** and **Mielke, P. W., Jr.**), 19.11-238
- *See also* **Reinking, R. F.**, 19.11-245; **Schleusener, R. A.**, 19.7-197

Grant, W. J., *see* **Epstein, E.**, 19.12-812

Grantham, Donald D., *see* **Lund, I. A.**, 19.11-188; **Sissenwine, N.**, 19.5-281

Grard, R.
- Utilisation des lois de distribution des precipitations pour la determination des crues de faible probabilite, 19.5-337

Grard, R. J. L.
- Experimental study of the structure of a V.L.F. wave propagated in the ionosphere, 19.10-526

Grasnick, Karl Heinz
- Immissionsmessungen von einer erhoehten Quelle bei verschiedenen meteorologischen Verhaeltnissen [Emission measurements from an elevated source under various meteorological conditions], 19.6-203

Grau, G., *see* **Bauer, A.**, 19.5-721

Grave, N. A.
- Temperature regime of permafrost under different geographical and geological conditions, 19.11-371

Gray, Carleton H.
- Current Corps of Engineers radio system developments, 19.8-790

Gray, Louise D.
- Transmission of the atmosphere of Mars in the region of 2μ, 19.3-562
- *See also* **Bergstralh, J. T.**, 19.1-485

Gray, P. R., *see* **Pellicori, S. F.**, 19.1-475

Gray, William M.
- Global view of the origin of tropical disturbances and storms, 19.8-296

Great Britain. Meteorological Office
- Meteorology for mariners, with a section on oceanography, 19.1-57

Great Britain. Science Research Council, *see* **Royal Society of London**, 19.12-37

Greb, B. W., *see* **Black, A. L.**, 19.8-326

Green, Alex E. S.
- Energy loss functions for electrons and protons in planetary gases (*with* **Peterson, L. R.**), 19.5-560
- Space environment: 100 to 500 kilometers, 19.1-21

Green, Christine R.
- Evaluation of precipitation, vegetation and related factors on the Santa Rita Experimental Range (*with* **Martin, S. C.**), 19.4-336
- Probability of low temperatures occurring in Arizona (*with* **Kangieser, P. C.**), 19.5-229

Green, F. H. W.
- Persistent snowbeds in the western Cairngorms, 19.10-438

Green, Georgia N., *see* **Sienko, M. J.,** 19.12-589

Green, J. S. A.
- Division of radiative streams into internal transfer and cooling to space, 19.3-207

Green, R. R., *see* **Ronca, L. B.,** 19.12-587

Green, Raymond A.
- Weather and circulation of Nov. 1967: strong middle-latitude ridges, continued warm in the Far West and cool in the East, 19.6-113

Greenberg, J. Mayo
- Interstellar grains: proceedings of a conference held Aug. 24-26, Rensselaer Polytechnic Institute in Troy, N. Y. (*with* **Roark, T. P.**) (*eds.*), 19.11-40

Greenberg, R., *see* **Bonner, W. D.,** 19.9-463

Greenfield, Alan R.
- Oceanographic telemetering skiff (*with* **Herkimer, K. W.**), 19.7-752

Greenfield, Barbara, *see* **Smith, D. E.,** 19.5-164

Greenfield, Richard S., *see* **Arnason, G.,** 19.9-313, 497

Greenfield, S. M.
- Vertical structure of dynamo winds deduced from geomagnetic variations associated with solar flares (*with* **Venkateswaran, S. V.**), 19.12-481

Greenland, D. E.
- Analysis of rainfall and soil moisture characteristics in the Chilton Valley, Cass. (*with* **Owens, I. F.**), 19.6-397

Greenleaf, J. E.
- Thirst and artificial heat acclimatization in man (*with others*), 19.8-67

Greenman, D. W.
- Ground-water hydrology of the Punjab, West Pakistan with emphasis on problems caused by canal irrigation (*with* **Swarzenski, W. V.** and **Bennett, G. D.**), 19.11-813

Greenman, N. N.
- Electron diffraction control studies of Venus Flytrap particles (*with* **Gilpin, C. B.**), 19.1-465

Greenspan, Lewis
- Adiabatic saturation psychrometer (*with* **Wexler, A.**), 19.8-128

Greenstadt, E. W.
- Correlated magnetic field and plasma observations of the Earth's bow shock (*with others*), 19.4-542
- *See also* **Fredricks, R. W.,** 19.11-563

Greer, R. G. H.
- Rocket-borne photometric investigation of the oxygen lines at 5577 Å and 6300 Å, the sodium D-lines and the continuum at 5300 Å in the night airglow (*with* **Best, G. T.**), 19.4-473

Gregorczuk, Marek
- Bioclimates of the world related to air enthalpy, 19.11-508
- Cieplny wplyw promieniowania slonecznego na czlowieka [Thermal influence of solar radiation on man], 19.8-317
- Distribution of effective temperature over the surface of the Earth (*with* **Cena, K.**), 19.2-216

Gregori, Giovanni P.
- Calcolo della direzione dei raggi e degli archi aurorali (*with* **Vivona, F. M.**), 19.12-515
- On the origin of day-side auroras, 19.10-574
- Sulla transformazione fra coordinate sferiche e relativi errori (*with others*), 19.11-562
- *See also* **Giorgi, M.,** 19.11-547

Gregory, Bruce N.
- Observations of solar X-ray activity below 20 Angstroms (*with* **Kreplin, R. W.**), 19.1-501

Gregory, S.
- Local temperature and humidity contrasts around small lakes and reservoirs (*with* **Smith, K.**), 19.5-354

Grenet, Gaston
- Causes de l'augmentation des variations de la composante verticale du champ magnetique terrestre a la limite de deux terrains de resistivite differente, 19.9-637

Gressel, W.
- Die Auswirkungen der europaeischen Wetterentwicklung im Suedalpenbereich [Effects of the development of European weather in the region of the southern Alps], 19.5-352

Grevesse, Nicolas
- Identification d'une raie interdite de Ca II dans le spectre solaire (*with* **Swings, J. P.**), 19.8-685
- *See also* **Delcroix, A.,** 19.12-615

Gribbon, P. W. F.
- Dielectric relaxation in temperate glaciers, 19.4-724

Griffin, A. A.
- Fireball of April 25, 1966, Pt. 2, 19.9-548

Griffin, J., *see* **Windom, H.,** 19.6-222

Griffiths, John F.
- General trends in pure and applied climatology, 19.12-421
- *See also* **O'Brien, J. J.,** 19.3-49

Griffiths, R.
- Vibration experience with 4 in-line chimneys on a windy site, 19.12-290

Griggs, M.
- Measurement of cloud reflectance properties and the atmospheric attenuation of solar and infrared energy (*with* **Marggraf, W. A.**), 19.8-327

Grigor'ev, Iu. A.
- K izucheniiu vodnogo, teplovogo i solevogo raskhodov na razrezakh Afrika–Antarktida i Novaia Zelandiia–Antarktida [Study of the

water, heat and salt discharge at the profiles Africa–Antarctica and New Zealand—Antarctica] [and Eng. transl.], 19.2-550
Grigor'ev, Iu. G.
Kriterii radiatsionnoi bezopasnosti dlitel'nykh kosmicheskikh poletov [Criteria of radiation safety in prolonged space flights] (*with others*), 19.7-50
Grigor'ev, V. I.
Pervichnaia obrabotka gidrologicheskoi informatsii na ETSVM [Primary processing of hydrologic information by electronic computers] (*with* **Dement'ev, N. F.**), 19.11-790
See also **Dement'ev, N. F.,** 19.11-787, 788
Grigor'eva, A. S.
Nekotorye kharakteristiki vlagooborota v atmosfere v zasushlivye i vlazhnye mesiatsy [Certain characteristics of atmospheric moisture exchange during dry and wet months], 19.1-275
See also **Drozdov, O. A.,** 19.1-274
Grigor'eva, L. K.
Metodika rascheta izmenenii vlagozapasov na poliakh, zaniatykh sakharnoi svekloi i kukuruzoi [Methods for computing moisture reserve variations in sugar beet and corn fields], 19.9-100
Grigor'eva, O. G.
Izmenenie skorosti i napravleniia vetra nad vodokhranilishchami [Change of velocity and direction of wind over watersheds], 19.2-244
Grigorov, N. L.
Registratsiia v okololunnom prostranstve elektronov s energiei vyshe 30 kev [Recording electrons with an energy over 30 Kev in the vicinity of the Moon] (*with others*) [and Eng. transl.], 19.8-622
Spektr iaderno-aktivnykh chastits na vysote 3200 m nad urovnem moria [The spectrum of radioactive particles at the altitude of 3200 m above sea-level] (*with* **Shestoperov, V. Ia.**) [and Eng. transl.], 19.6-523
Spektrometr chastits pervichnogo kosmicheskogo izlucheniia vysokoi energii dlia ISZ tipa "Proton" [Spectrometer for high energy primary cosmic ray particles for "Proton" type satellites] (*with others*) [and Eng. transl.], 19.1-88
Izmerenie na ICZ "Proton-1" i "Proton-2" effektivnogo secheniia neuprugogo vzaimodeistviia s iadrami ugleroda protonov s energiiami $10^{10} \div 10^{12}$ ev [Measurement on "Proton-1" and "Proton-2" satellites of the effective section of inelastic interaction with carbon nuclei of protons with energies of 10^{10} - 10^{12} ev] (*with others*) [and Eng. transl.], 19.1-411
Izuchenie energeticheskogo spektra i sostava pervichnykh kosmicheskikh luchei v oblasti vysokikh i sverkhvysokikh energii na ISZ "Proton-1" i "Proton-2" [Study of the energy spectrum and composition of primary cosmic rays in the region of high and ultrahigh energies on "Proton-1" and "Proton-2" satellites] (*with others*) [and Eng. transl.], 19.1-418
See also **Volodichev, N. N.,** 19.1-423; 19.3-441
Grijalva, Nicolas
Report on physical oceanography work done in Mexico during the triennium 1964-1968 [to the International Union of Geodesy and Geophysics, Switzerland, Sept. 26-Oct. 7, 1967], 19.11-688
Grim, Paul J., *see* **Burns, R. E.,** 19.5-685
Grimes, Annie E.
Annotated bibliography on the climate of Laos, 19.6-54; . . . of Nepal, 19.2-41
Grimm, W.
Glimmentladungslampe fuer spektralanalytische Routinemessungen [Glow discharge tube for routine spectral analytic measurements], 19.12-95
Gringauz, K. I.
Characteristics of neutral and ionized components of the atmosphere at heights of 100-500 km measured during the flights of geophysical rockets (*with others*), 19.10-527
Rocket and satellite measurements of ionospheric and magnetospheric particle temperatures, 19.8-355
See also **Breus, T. K.,** 19.8-595
Gringof, Iosif Genrikhovich
Pastbishchnye rasteniia Kyzylkuma i pogoda [Pasture plants in Kyzyl-Kum and the weather], 19.6-16
Gringorten, Irving I.
Estimates of duration of a continuous variate by Markov process, 19.12-59
Verification to determine and measure forecasting skill, 19.2-118
Grinval'd, D. I.
Struktura polia skorostei vodnykh potokov [Structure of the field of velocities of water currents], 19.7-805
Griscom, Clement A.
Application of a perturbation technique to the nonlinear equations of internal wave motion, 19.2-572
Grishin, N. I.
Dynamical morphology of noctilucent clouds, 19.9-558
Morfologicheskie issledovaniia i priroda serebristykh oblakov [Morphological studies and the nature of noctilucent clouds], 19.5-366
O vozmozhnom sostave serebristykh oblakov [Possible composition of noctilucent clouds] [and Eng. transl.], 19.11-516
Grjebine, Tovy
Accroissement de poussiere cosmique dans la stratosphere apres une averse de meteores (*with* **Hoang, C. T.**), 19.4-187
Role de la stratosphere dans le probleme des fines poussieres cosmiques (*with* **Lambert, G.**), 19.8-227
Groen, Pier
Waters of the sea [Transl. from Dutch], 19.6-4
Groenewoud, C.
Bivariate normal offset circle probability tables with offset ellipse transformations (*with* **Hoaglin, D. C.** and **Vitalis, J. A.**), 19.7-102

Grosjean, C. C., *see* **Vanmassenhove, F. R.,** 19.6-458

Gross, Eric T. B., *see* **Chowdhuri, P.,** 19.6-468

Gross, M. Grant
- Oceanography, 19.7-2
- Sinking rates of radioactive fallout particles in the North East Pacific Ocean, 1961-62, 19.5-182

Grossi, M. D., *see* **Harrington, J. V.,** 19.9-670

Grosskopf, J., *see* **Fehlhaber, L.,** 19.9-30

Grote, Heinz, *see* **Weickmann, H. K.,** 19.2-85

Groves, G. V.
- Seasonal variations of temperature, pressure, density and winds to 80 km altitude at Woomera, 1957-1963, 19.6-194

Groves, Gordon W., *see* **Miyata, M.,** 19.12-684

Grubb, Richard N.
- Flexible incremental phase servo with digital outputs for indicating phase and Doppler frequency of ionospherically propagated radio signals, 19.10-528
- Review of alternative systems of recording Doppler frequency components of high frequency radio signals and some features of their performance, 19.10-529

Gruber, Arnold
- Objective analysis of wind data for energy budget studies (*with* **O'Brien, J. J.**), 19.8-374

Grudzinska, S.
- Note sur le spectre de la comete 1963 III (Alcock 1963b), 19.5-588
- Sursaut d'eclat de la comete 1963 III (Alcock 1963b), 19.5-585

Grueber, Eugene C., *see* **Hanks, H. H., Jr.,** 19.4-150

Grushevskii, M. S.
- Nekotorye voprosy raschetov neustanovivshegosia dvizheniia vody v rekakh [Some problems of calculations of irregular movements of water in rivers], 19.7-806

Grushin, S. I.
- Avtomaticheskii kontrol' ispravnosti meteostantsii [Automatic verification of the accuracy of meteorological stations], 19.9-193
- Rabota avtomaticheskoi meteostantsii s proizvol'nymi vo vremeni istochnikami informatsii [Operation of an automatic meteorological station with arbitrary time distribution of sources of information] (*with* **Romanov, E. V.**), 19.9-194
- *See also* **Afinogenov, L. P.,** 19.9-145; **Aniskin, L. V.,** 19.8-139

Gruza, G. V.
- Izmenenie klimata i pole mesiachnykh anomalii temperatury nad severnym polushariem [Climatic change and the fields of monthly temperature anomalies over the Northern Hemisphere] (*with* **Abdumalikova, T.**), 19.3-211
- O statisticheskikh kharakteristikakh obshchei tsirkuliatsii atmosfery [Statistical characteristics of the general circulation of the atmosphere], 19.1-180

Gruzinov, V. M.
- Peremeshivanie vod v severnoi chasti Tikhogo okeana [Mixing of waters in the northern part of the Pacific Ocean], 19.11-416

Gubenko, V. S.
- Opyt prostranstvenno-vremennogo prognozirovaniia kriticheskikh chastot sloia F2 [Attempt at spatial-temporal forecasting of critical frequencies of the F2 layer] (*with* **Rodionov, Ia. S.**) [and Eng. transl.], 19.7-508

Gubin, V. I.
- Ob odnom metode resheniia uravnenii Eilera [A method of solving the Euler equations], 19.12-185

Gubskii, V. F., *see* **Gdalevich, G. L.,** 19.1-372

Gudiksen, Paul H.
- Roles of mean meridional circulation and eddy diffusion in the transport of trace substances in the lower stratosphere (*with* **Fairhall, A. W.** and **Reed, R. J.**), 19.12-199

Gudkovich, Z. M.
- Aerodynamic investigations of ice flow models (*with* **Melkonyan, G. I.** and **Nikiforov, E. G.**) [Transl. from Russ.], 19.11-748
- Antitsiklonicheskaia tsirkuliatsiia l'dov v Arkticheskom basseine i dreif stantsii "Severnyi Polius-8" [Anticyclonic circulation of ice in the Arctic Basin and the drift of the "Severnyi Polius-8" station], 19.4-700
- Korreliatsionnyi metod obrabotki dannykh nabliudenii za dreifom l'da [Correlation method of ice drift data processing], 19.5-709
- Steady-state drift of a single ice flow (*with* **Nikiforov, E. G.**) [Transl. from Russ.], 19.11-745
- *See also* **Volkov, N. A.,** 19.5-707

Guennoc, H.
- Optimisation des caracteristiques d'un generateur thermoelectrique a flamme pour l'alimentation des stations meteorologiques automatiques (*with* **Stoll, R.**), 19.4-120

Guers, K.
- Continuous-wave solid-state lasers, 19.9-31

Guest, J. E.
- Lunar ring structures and the nature of the maria (*with* **Fielder, G.**), 19.10-676

Guha, D., *see* **Chowdhury, N.,** 19.2-346

Guidice, D. A.
- Blackbody radiation, 19.8-635
- Radio astronomy: a revision of ch. 22, Handbook of Geophysics and space environments, 19.8-635

Guidry, M. R., Jr., *see* **Post, R. E.,** 19.10-76

Guiducci, U., *see* **Dalu, G.,** 19.9-205

Guier, W. H.
- Data and orbit analysis in support of the U. S. Navy satellite Doppler system, 19.5-111

Guillen, Oscar
- Anomalies in the waters off the Peruvian coast during March and April 1965, 19.9-740

Guizerix, J.
- Localisation des fuites sur un grand reservoir a l'aide de traceurs radioactifs (*with* *others*), 19.12-803
- *See also* **Molinari, J.,** 19.9-855

Gukhman, A. A.
New data on the properties of trans-sonic flows (*with others*) [Transl. from Russ.], 19.11-294
Guldberg, C. M.
Mouvements de l'atmosphere (*with* **Mohn, H.**), 19.2-18
Gul'el'mi, A. V.
Teoriia gidromagnitnogo zondirovaniia kontsentratsii plazmy v ekzosfere [A theory of hydromagnetic sounding of plasma concentration in the exosphere] [and Eng. transl.], 19.1-159
See also **Troitskaia, V. A.**, 19.9-640
Guliaev, A. A.
Gidravlicheskii i gidropnevmaticheskii dempfery dlia mareografa s uprugim chuvstvitel'nym elementom [Hydraulic and hydropneumatic dampers for a tide gage with an elastic sensitive elements] (*with* **Gusev, I. D.**), 19.3-628
Gulkis, Samuel
Radio rotation period of Jupiter (*with* **Carr, T. D.**), 19.3-566
Gumilev, L. N.
Heterochronism in the moisture supply of Eurasia in the Middle Ages (Landscape and ethnos, V) [Transl. from Russ.], 19.7-451
Gundersen, Norman A.
Princeton experiment package for OAO-C, 19.9-374
Gunn, D. J.
Wind forces and the proximity of cooling towers to each other (*with* **Malik, A. A.**) [Comment by P. W. Bearman], 19.5-255
Gunn, K. L. S.
Number flux of snow crystals at the ground, 19.5-323
Gunnarson, H. J.
Effect of air velocity, air temperature, and mean radiant temperature on performance of growing-finishing swine (*with others*), 19.11-90
Gunnerod, Tor B.
Climatological observations, water level and water temperatures, Iliamna Lake, Alaska, 1966, 19.8-768
Gunst, R. H., *see* **McDonald, K. L.**, 19.8-569
Gunter, D. E., Jr., *see* **Gault, J. D.**, 19.11-78
Gupta, A. Das, *see* **Das Gupta, A.**
Gupta, B. R. D.
Geomagnetic solar quiet day variation S_q according to LT from the night time datum at Indian stations during 1958, 19.3-466
Gupta, D. K., *see* **Banerji, S.**, 19.6-258
Gupta, D. N. Das, *see* **Das Gupta, D. N.**
Gupta, Jagdish C.
Lunar variations in auroral zone, 19.1-432
Some statistics concerning the daily geomagnetic character figure Cp (*with* **Chapman, S.**), 19.9-635
Gupta, M. G., *see* **Datta, R. K.**, 19.4-224
Gupta, M. L., *see* **Verma, R. K.**, 19.10-603
Gupta, N. D. Sen, *see* **Sen Gupta, N. D.**
Gurevich, A. V.
Movement and dispersal of inhomogeneities in plasma (*with* **Tsedilina, E. E.**), 19.8-505
Rasplyvanie dvizhushchikhsia neodnorodnostei v
plazme, nakhodiashcheisia v magnitnom po
(ionosfere) [Diffusion of moving irregulariti
in a plasma placed in magnetic field (the ion
sphere)] (*with* **Tsedilina, E. E.**) [and En
transl.], 19.2-355
Gurevich, M. I.
Glubokoe podzemnoe pitanie i vodoobm
mezhdu rekoi i ruslom [Deep subsurface fee
ing and water exchange between a river and
channel], 19.3-695
Vychislenie dekadnogo stoka srednikh i bol'shi
rek po stoku malykh [Computation of deca
runoff for medium and large rivers on the ba
of runoff of small rivers], 19.3-717
Gurke, John L.
Annotating oceanographic data with positi
from electronic navigation aids, 19.9-731
Gurnett, Donald A.
Observations of VLF hiss at very low L value
19.7-488
See also **Oliven, M. N.**, 19.8-546
Gurvich, A. S.
Breakdown of eddies and probability distrib
tions for small-scale turbulence (*with* **Iaglo**
A. M.), 19.10-329
Empiricheskie dannye o melkomasshtabn
struktury atmosfernoi turbulentnos
[Empirical data on the small-scale structure
atmospheric turbulence] (*with other*
19.9-317
Opredelenie kharakteristik turbulentnosti
eksperimentov po rasprostraneniiu sve
[Determination of turbulence characteristi
from light propagation experiments] [and E
transl.], 19.12-272
Gurzadian, G. A.
O soderzhanii litiia v zvezdakh tipa T Tel'tsa
kosmicheskikh luchakh [Lithium content
T-Taurus stars and of cosmic rays] [and E
transl.], 19.7-572
Guseinov, M. Czh.
Linii pogloshcheniia prigodnye dlia uche
vliianiia rasseiannogo sveta pri spektrofot
metrii solnechnykh piaten [Absorption lin
suitable for the determination of light scatt
ing in spectrophotometry of sunspots
19.7-693
Gusev, I. D., *see* **Guliaev, A. A.**, 19.3-628
Gusev, M. I.
Ob uchete summarnogo deistviia toksicheski
veshchestv pri prognozirovanii zagriazneni
vozdushnogo basseina [Calculation of the to
action of toxic substances in the forecast of t
contamination of an air basin] (*with other*
19.12-145
Gushchina, L. A.
Sutochnyi khod temperatury i vlazhno
vozdukha na Rybinskom vodokhranilishc
[Diurnal variation of air temperature a
humidity on Rybinsk Reservoir], 19.1-228
Gushchina, M. V.
Optimum methods for snow cover observatio
in the meteorological station network (*wi*
others) [Transl. from Russ.], 19.8-450
Gushchina, R. T., *see* **Dorman, L. I.**, 19.1-416

- **Gus'kova, E. G.**
  - Magnitnye polia kosmicheskogo prostranstva po dannym issledovaniia magnitnykh svoistv meteoritov [Magnetic field of cosmic space according to data from investigations of magnetic properties of meteorites] (*with* **Pochtarev, V. I.**) [and Eng. transl.], 19.5-581
- **Guss, D. E.,** *see* **Durgaprasad, N.,** 19.1-410
- **Gustafson, Arthur F.**
  - Eastern North Pacific tropical cyclones, 1967, 19.9-153
- **Guterman, I. G.**
  - Opyt ispol'zovaniia kompleksa schetnoanaliticheskikh i elektronno-vychislitel'nykh mashin dlia rascheta kharakteristik vetra [Use of a set of tabulators and electronic computers for computing wind characteristics] (*with* **Zvereva, E. P.**), 19.11-377
  - Skhema srednei zonal'noi i srednei meridional'noi tsirkuliatsii atmosfery nad severnym polushariem [Pattern of mean zonal and mean meridional atmospheric circulation over the Northern Hemisphere], 19.1-179
- **Gutman, L. N.,** *see* **Pastushkov, R. S.,** 19.3-253; **Perov, V. L.,** 19.5-246; **Shaposhnikova, M. I.,** 19.12-178; **Sokhov, T. Z.,** 19.7-360, 19.11-318
- **Gutshabash, S. D.**
  - Rasseianie sveta v atmosfere pri nalichii sploshnoi oblachnosti [Scattering of radiation in the atmosphere with overcast sky] [and Eng. transl.], 19.7-310
- **Guyer, Richard A.**
  - Effects of surface and shore environments, 19.1-19

H

- **Haagen-Smit, A. J.**
  - Atmospheric reactions and scavenging processes (*with* **Wayne, L. G.**), 19.8-228
- **Haar, D. Ter,** *see* **Ter Haar, D.**
- **Haar, G. L. Ter,** *see* **Ter Haar, G. L.**
- **Haar, Thomas H. Vonder,** *see* **Vonder Haar, Thomas H.**
- **Haas, J. Eugene**
  - Social and political aspects of planned weather modification, 19.11-214
- **Habing, H. J.**
  - Low-energy cosmic rays and the electron density in H I regions (*with* **Pottasch, S. R.**), 19.2-428
- **Hadas, A.**
  - Comparison between two methods of determining the thermal diffusivity of a moist soil, 19.8-365
  - Distribution of hail in Israel, 19.9-523
- **Hader, Fritz**
  - Zum Klima und Bioklima von Hanglagen, erlaeutert am Becken "Neue Welt"/Hohe Wandam Alpenostrand [Climate and bioclimate of slope areas illustrated by the "Neue Welt" Valley, Hohe Wand, on the eastern margin of the Alps], 19.7-464
- **Hadfield, R. D.,** *see* **Wiegman, E. J.,** 19.7-383 to 385
- **Hadlock, Ronald K.**
  - Laboratory hurricane model incorporating an analog to release of latent heat (*with* **Hess, S. L.**), 19.8-305
- **Haefeli, R.**
  - Considerations sur la pente critique et le coefficient de pression au repos de la côuverture de neige, 19.3-308
  - Note sur la classification, le mecanisme et le controle des avalanches de glace et des crues glaciaires extraordinaires, 19.3-334
- **Haehnle, Robert J.**
  - Optimum spacing of transponders, 19.2-526
  - Survey operations with the acoustic ship positioning system, 19.3-623
- **Haensch, W.**
  - Unterschiede im taeglichen und jaehrlichen Gang des Bedeckungsgrades des Himmels mit und ohne Cirren sowie der Sonnenscheindauer von Schwerin und Arkona [Variations in diurnal and annual variations of amount of cloudiness with and without cirrus as well as of sunshine duration in Schwerin and Arkona] (*with* **Schubert, G.**), 19.1-294
- **Haffner, James W.**
  - Radiation and shielding in space, 19.8-8
- **Hafner, E. M.,** *see* **Duthie, J. G.,** 19.10-666
- **Hagan, M. Patricia,** *see* **Sugiura, M.,** 19.11-571
- **Hagan, Robert M.**
  - Irrigation of agricultural lands (*with* **Haise, H. R.** and **Edminster, T. W.**) (*eds.*), 19.7-19
  - *See also* **Haise, H. R.,** 19.7-58
- **Hagen, John P.**
  - Model for the early stage of solar radio bursts (*with* **Barney, W. M.**), 19.12-569
  - Research aspects of the communication satellite program (*with* **Kelliher, J.**), 19.9-31
- **Hagfors, Tor**
  - Aperture synthesis in radar astronomy and some applications to lunar and planetary studies (*with* **Nanni, B.** and **Stone, K.**), 19.10-667
  - [Discussion of] F. L. Scarf: Effect of coherent density fluctuations on the radar determination of total electron content, 19.3-506
  - Radar studies of the Moon (*with* **Evans, J. V.**), 19.12-584
  - Relations between rough surfaces and their scattering properties as applied to radar astronomy, 19.12-577
  - *See also* **Evans, J. V.,** 19.12-8
- **Haines, Donald A.**
  - Wet-dry day probabilities in Minnesota (*with* **Baker, D. G.**), 19.6-398
- **Haise, Howard R.**
  - Soil, plant, and evaporative measurements as criteria for scheduling irrigation (*with* **Hagan, R. M.**), 19.7-58
  - *See also* **Hagan, R. M.,** 19.7-19
- **Hajdukova, M.**
  - Colour index of visual meteors, 19.4-581
- **Hakura, Yukio**
  - Importance of solar α-particles to PCA events, 19.3-425

Latitude dependence of non-Stoermer cutoffs for charged particles invading quiet geomagnetic field, 19.2-429
Halacy, Daniel Stephen, Jr.
Weather changers, 19.3-12
Hale, L. C.
Summary of blunt probe theory and experimental results (*with* **Baker, D. C.** and **Hoult, D. P.**), 19.8-161
Halenka, Jaroslav
On the problem of the annual recurrence of geomagnetic disturbances, 19.9-636
Halevy, E.
Borehold dilution techniques: a critical review (*with others*), 19.9-853
Hall, D. E.
Diffusion, scattering, and acceleration of particles by stochastic electromagnetic fields (*with* **Sturrock, P. A.**), 19.6-543
Hall, Forrest G., *see* **Evans, D. E.,** 19.2-462
Hall, G. H., *see* **Lucas, R. M.,** 19.5-97
Hall, J. E.
D-region electron distributions from further rocket measurements of L. F. propagation (*with* **Fooks, J.**), 19.4-421
Some rocket-borne D-region experiments, 19.10-530
Hall, M. P. M.
Psychrometer radiosonde developed for determining radio refractive index as a function of height (*with* **Gardiner, G. W.**), 19.10-141
Hall, S. H.
Magnetic field of the ionospheric dynamo, 19.2-356
Measuring magnetic fields in space, 19.5-460
Hall, Warren A.
Optimization of the operation of a multiple-purpose reservoir by dynamic programming (*with* **Butcher, W. S.** and **Esogbue, A.**), 19.11-795
Hallett, J., *see* **Brownscombe, J. L.,** 19.4-341
Hallock, H. B., *see* **Egan, W. G.,** 19.11-646
Haltiner, G. J.
Effects of sensible heat exchange on the dynamics of baroclinic waves, 19.5-186
Proposed method for ship routing using long range weather forecasts (*with* **Bleick, W. E.** and **Faulkner, F. D.**), 19.9-233
Hamada, Tokuichi
Note on the development of wind waves in an experiment (*with others*), 19.10-378
Haman, Krzysztof
Graficzny sposob obliczania profili predkosci pradow pionowych i jego zastosowanie do prognozy gradu [Graphical computation of the velocity profile of vertical air currents and its use in hail forecasting], 19.11-187
On the cumulus convection above an isolated source of heat, 19.5-297
Hamburg. Deutsches Hydrographisches Institut
Beobachtungen auf den deutschen Feuerschiffen der Nord- und Ostsee im Jahre 1965 sowie Monatsmittelwerte von Temperatur und Salzgehalt des Jahres 1965 [Observations by the German lightships in the North and Baltic Seas in 1965, as well as monthly means of temperature and salinity, in 1965], 19.6-114
Hamburg. Seewetteramt
Meteorologische Beobachtungen von deutschen Feuerschiffen der Nord- und Ostsee (Bundesrepublik), 1964 [Meteorological observations from German light ships in the North and Baltic Seas, Federal Republic, 1964], 19.8-94
Hamburg. Universitaet. Institut fuer Meereskunde, Mitteilungen
Reproduction of the motion in the sea by means of hydrodynamical-numerical methods [and in German], 19.5-657
Hamilton, Douglas R.
Analysis of selected sigma-t surfaces in the Indian Ocean (*with* **LaViolette, P. E.**), 19.12-718
See also **LaViolette, P. E.,** 19.10-721
Hamilton, H. A., *see* **Dermine, P.,** 19.8-54
Hamilton, R. A.
Determination of the extraterrestrial constant of a Dobson spectrophotometer (*with* **Walker, J. M.**), 19.4-66
Hamilton, W. C.
IR investigation of water adsorbed at different relative humidities on silicas of varying ice nucleation capabilities (*with* **Katsanis, E. P.** and **Zettlemoyer, A. C.**), 19.11-239
Hammer, R. M.
Note on rainfall in the Sudan, 19.10-419
Hampson, J.
Chemiluminescent emissions observed in the stratosphere and mesosphere, 19.8-250
Hanagud, S.
Snow as a locking material: high pressure properties of snow, 19.12-401
Hancu, Simion
Probleme der Hochwasservorhersage im ausgebauten Teil des rumaenischen Donauabschnittes [Problems of flood forecasting in the regulated section of the Rumanian reach of the Danube] (*with* **Stanescu, V.**), 19.3-125
Handa, K. N.
Response of tall structures to atmospheric turbulence (*with* **Clarkson, B. L.**), 19.12-291
Handa, Nobuhiko
Identification of carbohydrates in marine particulate matters and their vertical distribution, 19.4-634
Handbuch der Physik, Vol. 46, Pt. 2, Kosmische Strahlung, Vol. 2 [Handbook of Physics, Vol. 46, Pt. 2, Cosmic rays, Vol. 2], 19.7-17
Hanel, R. A., *see* **Bartko, F.,** 19.6-601
Haney, W. A.
Atomic energy and the IHD [International Hydrological Decade], 19.3-15
Hanik, Jan
Rozwoj obserwacji meteorologicznych na terenie Zakopanego i jego okolic do 1919 roku (w setna rocznice zalozenia pierwszej stacji meteorologicznej w Zakopanem) [Development of meteorological observations in the area of Zakopane and its neighborhood until 1919 (in

commemoration of 100 years of the first meteorological station at Zakopane)], 19.11-122

Hanks, Howard H., Jr.
Snow forecasting procedures in the Central United States (*with* **De Harpporte, D. R.** and **Grueber, E. C.**), 19.4-150

Hanks, R. J.
Evaporation of water from soils as influenced by drying with wind or radiation (*with* **Gardner, H. R.** and **Fairbourn, M. L.**), 19.6-362
See also **Gates, D. M.**, 19.7-370

Hannaford, Jack F.
Summer hydrology of the High Sierra (*with* **Williams, M. C.**), 19.7-404

Hannell, F. G.
Microclimatology in McMaster University's Department of Geography, 19.3-24

Hanratty, Thomas J.
Study of turbulence close to a solid wall, 19.10-234

Hansbrough, J. R.
Air quality and forestry, 19.6-204

Hansen, Frank V.
Diabatic surface boundary layer model, 19.4-3
Richardson number as a function of time and vertical distribution (*with* **Lang, V. D.**), 19.6-323
Spacial and temporal distribution of the gradient Richardson number in the surface and planetary layers, 19.4-215

Hansen, Henry P., *see* **Arctic biology**, 19.11-43

Hansen, James E.
Atmosphere and surface temperature of Venus a dust insulation model (*with* **Matsushima, S.**), 19.5-564
Near infrared reflectivity of Venus and ice clouds (*with* **Cheyney, H.**), 19.12-593

Hansen, Palle G.
Shallow water sound transmission paths from the USNEL Oceanographic Research Tower off Mission Beach (*with* **Lee, O. W.**), 19.5-648

Hansen, R. C.
Large apertures and arrays, 19.9-31

Hanson, Kirby J., *see* **Suomi, V. E.**, 19.9-659

Hanson, Ronald L.
Characteristics of summer base flow of the Potomac River, 19.1-592

Hanson, W. B.
Photoelectron heating efficience in the ionosphere (*with* **Cohen, R.**), 19.7-509
Sodium distribution in the upper atmosphere (*with* **Donaldson, J. S.**), 19.4-188

Hapke, Bruce
Lunar surface: composition inferred from optical properties, 19.10-677
On the particle size distribution of lunar soil, 19.6-595

Harada, A.
Analysis of high air pollution potential on Dec. 11, 1964 at Osaka (*with* **Goto, M.**), 19.7-223

Haraguchi, Paul Y.
Inversions over the tropical eastern Pacific Ocean, 19.8-353

Harang, L.
Appearance of enhanced VLF-emissions on 8 kc/s observed along a N-S chain of stations (*with others*), 19.2-473
VLF emissions observed near and south of the auroral zone, 19.2-474

Harang, O.
Variation in width of the Hα line in aurora (*with* **Pettersen, H.**), 19.4-398

Harbaugh, T. E.
Study of the roughness of conceptual river systems or water sheds: a contribution to the International Hydrological Decade (*with* **Chow, V. T.**), 19.4-337

Harder, J. A.
Analog models for stream hydrology, 19.12-799

Hardin, V. S.
Characteristics of an air-droppable automated weather station, 19.7-104

Hardy, Alexander
Adjusting the private climate (*with* **O'Sullivan, P.**), 19.10-473

Hardy, Kenneth R.
Clear-air convective patterns, 19.3-250
See also **Atlas, D.**, 19.6-230; 19.9-30

Hare, F. Kenneth
Dynamic climatology: the larger scales of atmospheric motions, 19.6-250

Hargreaves, George H.
Consumptive use computations from evaporation pan data, 19.8-405

Hargreaves, J. K.
Relations between bursts of energetic electrons at 17 Earth-radii in the magnetotail and radio absorption events in the ionosphere D-region (*with* **Hones, E. W., Jr.** and **Singer, S.**), 19.10-631
Simple conjugate-point map, 19.6-529
Studies of auroral radio absorption events at three magnetic latitudes, Pt. 1 (*with* **Cowley, F. C.**), 19.4-465; Pt. 2, 19.3-406
See also **Ecklund, W. L.**, 19.6-511; **Reid, G. C.**, 19.4-444

Harlow, Francis H.
Simulating fluid turbulence (*with* **Nakayama, P.**), 19.12-273
Splash of a liquid drop (*with* **Shannon, J. P.**), 19.7-378
Turbulence transport equations (*with* **Nakayama, P. I.**), 19.6-328

Harlow, James H., *see* **Davies, D.**, 19.8-169

Harnischmacher, E.
Electron content measurements with a stationary satellite, 19.10-531
Results of an experiment concerning the facing pattern, 19.12-482
Simple description of ionospheric drifts in the E-region as obtained by the fading method at Breisach (*with* **Rawer, K.**) 19.11-538
Some observed phenomena to be explained by theories of ionospheric drift (*with* **Rawer, K.**), 19.12-483

Harp, G. D., *see* **Schell, W. R.**, 19.10-227

Harrington, Edward L.
  Census of cirrus heights and temperatures over central United States, 19.1-295
  Depths and temperatures of continental convective clouds at the time of initial precipitation echo, 19.1-70
  Initial precipitation echo in clouds that combine to form a thunderstorm, 19.10-272
Harrington, J. V.
  Mars Mariner 4 radio occultation experiment: comments on the uniqueness of the results (*with* **Grossi, M. D.** and **Langworthy, B. M.**), 19.9-670
Harris, B., *see* **Epstein, M.,** 19.7-725
Harris, D. Lee
  Hurricane storm surges, 19.8-301
  Preliminary wave climatology for the Great Lakes, 19.11-794
Harris, K. K.
  Ion temperature and relative ion composition measurements from a low-altitude polar-orbiting satellite (*with* **Sharp, G. W.** and **Knudsen, W. C.**), 19.4-422
  See also **Sharp, G. W.,** 19.9-605
Harris, P. G.
  Chemical composition of the upper mantle (*with* **Reay, A.** and **White, I. G.**), 19.10-622
  Fractionation of iron in the solar system (*with* **Tozer, D. C.**), 19.6-585
Harris, R. I.
  Effect of wind on some simple structure, 19.11-407
  Measurements of wind structure at heights up to 598 ft above ground level, 19.11-385
Harris, Thomas B., *see* **Keeling, C. D.,** 19.12-142
Harrison, A. A.
  Variations in night minimum temperatures peculiar to a valley in mid-Kent, 19.9-390
Harrison, C. G. A.
  Evolutionary processes and reversals of the Earth's magnetic field, 19.5-481
Harrison, G.
  Ground movement guidance and control at major airports in low visibility, 19.10-90
Harrison, Halstead
  Condensation and sublimation of CO_2 with H_2O: carbonic acid on Mars (*with* **Scattergood, D. M.** and **Shupe, M. R.**), 19.9-687
Harrison, W.
  Circulation of shelf waters off the Chesapeake Bight (*with others*), 19.9-780
Harrold, T. W.
  Meso-scale wind fluctuations below 1500 metres (*with* **Browning, K. A.**), 19.9-440
Hart, Clive
  Kites: an historical survey, 19.5-4
Hart, John E.
  V.L.F. radiation from multiple stroke lightning, 19.1-356
Hartle, R. E.
  Two-fluid model of the solar wind (*with* **Sturrock, P. A.**), 19.8-596
Hartley, G. E. W.
  Cup anemometer suitable for construction in school metal-workshops, 19.5-128
Hartley, R. P.
  Synoptic water sampling survey in the western basin of Lake Erie (*with* **Herdendorf, C. E.** and **Keller, M.**), 19.7-793
Hartmann, William K.
  Craters: a tale of three planets, 19.12-586
Hartogensis, F., *see* **Avy, A. P.,** 19.12-143
Hartung, W.
  Die V. Europaeische Regionaltagung der Internationalen Kommission fuer Be- und Entwaesserung (ICID) in Cambridge [5th European Regional Conference of the International Commission on Irrigation and Drainage (ICID), Cambridge 1967], 19.9-95
Hartz, T. R., *see* **Barrington, R. E.,** 19.9-574
Harvey, C. C.
  Radio emission from geomagnetically trapped particles, 19.6-540
Harvey, Gladys A.
  Some additional aspects of the unequal activity of the northern and southern solar hemispheres: microwave radio bursts and SWF s (*with* **Bell, B.**), 19.8-639
Harvey, J. G.
  Effect of weather on water level in the Menai Straits, 19.10-751
Harvey, R. B.
  Transient atmospheric electric effects caused by a wire carried aloft by a mortar shell (*with* **Heckscher, J. L.** and **Lewis, E. A.**), 19.4-394
Haseba, Tetsuya
  Studies of transpiration in relation to the environment, Pt. 2 (*with* **Takechi, O.** and **Ito, D.**), 19.3-269
Hasen, E. M.
  Non-linear theory of turbulence onset in a shear flow, 19.4-214
Haser, L.
  Use of artificial barium clouds to study magnetic and electric fields in the atmosphere, 19.2-330
Hashim, S. S., *see* **Srinivasan, T. R.,** 19.4-265
Hashimoto, Yuichi, *see* **Yasui, M.,** 19.9-741
Hass, G., *see* **Bradford, A. P.,** 19.11-352
Hass, W. A.
  Analysis of low-level, constant volume balloon (tetroon) flights over New York City (*with others*), 19.4-98
Hasselmann, K.
  Nonlinear interactions treated by the method of theoretical physics (with application to the generation of waves by wind), 19.3-240
Hasset, M.
  Primary power suppliers for automatic weather stations, 19.4-121
Hastenrath, Stefan L.
  Contribution to the wind conditions over the Caribbean Sea and Gulf of Mexico, 19.12-268
  Fourier analysis of Central American rainfall, 19.12-362
  Der regionale und jahreszeitliche Wandel des vertikalen Temperaturgradienten und seine Behandlung als Waermehaushaltsproblem [Regional and annual variation of vertical temperature gradients and its treatment as a heat budget problem], 19.9-399

  Study of the kinetic energy budget of the troposphere over the Caribbean Sea and the Gulf of Mexico, 19.9-303
  See also **McGee, O. W.,** 19.9-504

Hastings, James V.
  Geomagnetic studies at Byrd, South Pole and Plateau Stations, 19.4-524

Hatt, William A., *see* **Billings, D. E.,** 19.8-683

Hattersley-Smith, G.
  Bibliography of "Operation Hazen-Tanquary," 1964-1967, 19.10-44

Haude, Waldemar
  Pegelstandsbeobachtungen des Toten Meeres zur Korrektur und Verlaengerung der Niederschlagsreihe von Jerusalem bis 1800 und Folgen [Water level observations in the Dead Sea for correction and improvement of the Jerusalem precipitation series up to 1800 and the conclusions drawn], 19.11-453

Haugen, E.
  Velocity field surrounding sunspots, as derived from observations of $H\alpha$, 19.3-589

Haugen, Richard K.
  Tree ring indices: a circumpolar comparison, 19.3-214

Haupt, Harold F., *see* **Satterlund, D. R.,** 19.3-300

Haupt, Ingrid
  Wettersatellitenbeobachtungen und ihre Auswertung: das Europaeische Wetterbild 1966, Teil I Maerz-April 1966 [Weather satellite observations and their evaluation: the European weather pattern in 1966, Pt. I, March-April 1955], 19.1-89

Hauptman, Jaroslav
  Vliv teploty vzduchu na mlecnou uzitkovost a etologicke projevy dojnic [Effect of atmospheric temperature on milk productivity and ethological phenomena in milking cows], 19.7-64

Haurwitz, B.
  Lunar tidal winds at four American stations (*with* **Cowley, A. D.**), 19.12-283
  New determinations of the lunar barometric tide (*with* **Cowley, A. D.**), 19.10-320

Haurwitz, Marion W.
  Solar longitude distributions of proton flares, meter bursts, and sunspots, 19.6-617
  See also **McLellan, C.,** 19.7-694

Hause, L. G.
  Passive reflector measurements at 9.2 and 4.6 GHz (*with* **Peterson, C. F.**), 19.6-88

Hauser, Ray L.
  Round robin cold brittleness tests of balloon films, 19.6-121

Hausser, Rene, *see* **Pariset, E.,** 19.5-724

Havens, A. Vaughn, *see* **Dickerson, W. H.,** 19.11-83

Hawes, J. D.
  Analysis of Japanese current meter arrays, 19.7-732

Hawke, A. G.
  History of the Port Meteorological Office, Cape Town, 19.5-80

Hawkins, Gerald S.
  Comprehensive study of the characteristics of meteor echoes, Pt. 1 (*with* **Brown, J. C.**), 19.10-668
  5000- and 10,000-year star catalogs (*with* **Rosenthal, S. K.**), 19.11-687
  See also **Symposium on Meteor Orbits and Dust, Cambridge, Mass., Aug. 1965,** 19.1-20

Hawkins, Harry F.
  Hurricane Hilda, 1964, Pt. 1 (*with* **Rubsam, D. T.**), 19.12-211
  Hurricane Inez: a classic "micro-hurricane" (*with* **Rubsam, D. T.**), 19.2-178

Hawkins, L. K., *see* **Evans, R. G.,** 19.12-671

Hay, D. R.
  Experimental investigation of turbulence and stratification in the lower troposphere, with the aid of rockets, radar and balloon-borne instruments, 19.2-313
  Stratification in the layer of frictional influence, 19.9-141

Hay, R. F. M.
  Relations between summer and September temperature anomalies in central England, 19.10-318

Hayakawa, Satio, *see* **Fujimoto, Y.,** 19.10-587

Hayatsu, Ryoichi
  Artifacts in polarimetry and optical activity in meteorites, 19.11-659

Hayden, Christopher M.
  Utility of satellite cloud photographs in objective analysis of the 500-mb height field, 19.8-171

Haydon, George W.
  Predicting ionospheric electron density profiles (*with* **Lucas, D. L.**), 19.5-152

Hayes, C. E., *see* **Webb, W. W.,** 19.8-447

Haymes, R. C.
  Upper limits to the hard X-ray fluxes from Mars, Venus, and Jupiter (*with* **Ellis, D. V.** and **Fishman, G. J.**), 19.8-641
  See also **Cloutier, P. A.,** 19.9-576

Hayodom, Vichai, *see* **Sundara-Vicharana, Y.,** 19.12-163

Hays, James D.
  Antarctic radiolaria, magnetic reversals and climatic change (*with* **Opdyke, N. D.**), 19.5-478

Hayward, J. L.
  Low-cost expendable bathythermograph, 19.4-622

Hazzaa, I. B.
  Investigation of ground water radial flow using radioactive tracers (*with others*), 19.4-762

Heacock, R. R.
  Polarization characteristics of Pc 1 micropulsations at College (*with* **Hessler, V. P.**), 19.3-479
  Variations in Pc 1 frequency with latitude (*with others*), 19.5-496

Heacock, Raymond L.
  Lunar photography: techniques and results, 19.11-631

Heaney, J. B., *see* **Bradford, A. P.,** 19.11-352

Heap, John A.
  Growth of ice on Lake Michigan (*with* **Noble, V. E.**), 19.4-743

Heard, John F.
  Astronomy at the David Dunlap Observatory, 1935-1967 (*with* **Hogg, H. S.**), 19.5-541

Heard, William C.
Mesospheric-stratospheric coupling, 19.8-251
Heath, Donald F.
Far ultraviolet polarization analyzer for rocket use, 19.8-155
Heavers, Richard M.
Measurements of underwater reflectance and attenuation of diffuse light near Kamchatka, U.S.S.R., during Aug.-Sept. 1966, 19.7-736
Heckman, G., *see* **Faye-Petersen, R.,** 19.10-632
Heckman, Harry H.
Note on the magnetic-moment adiabatic invariant for particle motion in a dipole magnetic field, 19.2-440
See also **Lindstrom, P. J.,** 19.10-610
Heckscher, J. L.
V.L.F. sferic counting rates at Uppsala and Ankara (*with* **Lewis, E. A.**), 19.6-550
See also **Harvey, R. B.,** 19.4-394
Hedberg, Rune
Equipment for weather data acquisition and reduction, 19.8-141
Hedges, Charles P.
Digital wave staff: combining simple sensor outputs to get surface height numbers, 19.9-755
Hedley, W. S., *see* **Litton, E.,** 19.11-409
Heezen, Bruce C., *see* **International Association for Quaternary Research, 7th Congress, Boulder, Colo., Sept. 2, 1965,** 19.6-27
Heffernan, K. J., *see* **Mossop, S. C.,** 19.2-277, 19.12-338; **Smith, E. J.,** 19.4-172
Hegblom, E. R., *see* **Reidy, W. P.,** 19.9-618
Heighes, J. M., *see* **Goldie, E. C. W.,** 19.9-555
Heikkila, W. J.
Comparison of several probe techniques for ionospheric electron concentration measurements (*with others*), 19.10-154
Heiner, W. R.
Partial bibliography [of] inshore survey program along Atlantic and Gulf coasts, 19.3-30
Heinrichsdorf, Fritz
Die Mehrfachregressionsrechnung, ein Beispiel fuer die Verwendung elektronischer Rechenanlagen in der Gewaesserkunde, insbesondere zur Prognose hydrologischer Groessen [Multiple regression analysis, an example for the use of electronic computers in hydrology, particularly for the forecasting of hydrological values], 19.1-122
Heirtzler, James R.
Magnetic pulsations, 19.4-517
Synoptic measurements of geomagnetic field spectra (*with* **Davidson, M. J.**), 19.12-532
See also **Davidson, M. J.,** 19.8-574
Heise, Guenter
Die aerologischen Verhaeltnisse in den Tropen waehrend des Internationalen Geophysikalischen Jahres [Upper air conditions in the tropics during the International Geophysical Year], 19.6-115
Heiskell, R. H.
Aerial seawater-sampling system, 19.1-528
Heisler, R.
Riometer quiet day curves (*with* **Hower, G. L.**), 19.2-357
Hela, Ilmo
Fluctuations in the degree of continentality of northern Europe in 1866-1965, 19.1-322
Helfand, L. A., *see* **Bridger, C. A.,** 19.11-355
Heller, Gerhard B.
Thermophysics of spacecraft and planetary bodies: radiation properties of solids and electromagnetic radiation environment in space (*ed.*), 19.11-41
Hellerman, S.
Updated estimate of the wind stress on the world ocean, 19.2-251
Helliwell, Robert A.
Conjugacy in VLF emissions, 19.6-551
Theory of discrete VLF emissions from the magnetosphere, 19.1-452
Very-low-frequency studies, 19.4-551
VLF noise of magnetospheric origin, 19.9-30
Hellman, Hal
Light and electricity in the atmosphere, 19.8-32
Hellums, J. D., *see* **Fagela, E. B. A.,** 19.8-280
Helm, Thomas
Hurricanes: weather at its worst, 19.2-22
Helsabeck, H. Carter
Response of corn yields in Missouri to weather as measured by Palmer's drought index, 19.8-443
Helvey, Roger A.
Airflow in the San Bernardino-Riverside Region "Santa Ana" of Dec. 10-12, 1963, 19.7-345
Helwig, Norbert
Investigating coal dust explosions, 19.6-205
Hely, A. G.
Hydrologic and climatologic data, 1966, Salt Lake County, Utah (*with* **Mower, R. W.** and **Horr, C. A.**), 19.12-72
Hem, John D., *see* **Durum, W. H.,** 19.4-739
Hem, Raj, *see* **Billa, H. S.,** 19.7-282
Hemmerich, Kurt H.
Case study of clear-air turbulence in the Midwest, 19.4-285
Hemmings, C. C.
Factors influencing the visibility of objects underwater, 19.2-547
Henderson, C. L.
Observations of the disturbed region around an ionospheric spacecraft (*with* **Samir, U.**), 19.3-82
Henderson, C. W.
Research and system requirements for a Lunar Scientific Laboratory (*with* **Mitcham, G. L.**), 19.6-30
Henderson, J. H., *see* **Davis, D. R.,** 19.8-189
Henderson, Thomas J.
Operational hail suppression program near Kericho, Kenya, Africa, 19.11-240
Tracking silver iodide nuclei under orographic influence, 19.7-211
See also **Gitlin, S. N.,** 19.2-302
Hendrick, Robert L.
Evaluating the desirability of weather modification, 19.11-215
Hendricks, Charles D., *see* **Adam, J. R.,** 19.12-322
Hendricks, Shirley J., *see* **Cain, J. C.,** 19.9-18

Hendy, C. H.
Palaeoclimatic data from speleothems (*with* **Wilson, A. T.**), 19.12-436
Henning, Allen B., *see* **Darnell, W. L.,** 19.9-686
Henning, Dieter
Exzessive Niederschlaege in Trockengebieten: Rekord-Niederschlaege im Februar und Maerz 1967 in Inner Australien [Excessive precipitation in arid areas: record precipitation in February and March 1967, in the interior of Australia], 19.11-454
Zur Interpretation eines Zirkulationskriteriums [Interpretation of a circulation criterion], 19.6-254
Henning, Ingrid
Das Laacher-See-Gebiet: eine Studie zur Hydrologie und Klimatologie [The Laach Lake area: a study in hydrology and climatology], 19.9-8
Periodische Schwingungen im Laacher See [Periodic oscillations in Laacher Lake], 19.6-751
Henry, G. W., *see* **Shirke, J. S.,** 19.10-555
Henry, Robert M.
Wind velocity profiles measured by the smoke-trail method at Wallops Island, Virginia, 1963 and 1964 (*with* **Miller, R. W.**), 19.9-425
See also **Cochrane, J. A.,** 19.9-430, 19.10-389
Henry, Walter K.
Research on tropical rainfall patterns and associated mesoscale systems (*with others*), 19.2-17
Variation of rainfall in Guyana and Surinam, 19.9-507
Henshaw, J.
Activities of the wintering caribou in northwestern Alaska in relation to weather and snow conditions, 19.11-507
Henson, E. B.
Synoptic survey of Lake Champlain, summer 1965 (*with* **Potash, M.**), 19.6-742
See also **Potash, M.,** 19.4-745
Heppner, J. P.
High latitude magnetic disturbances: a brief review with initial results from motion picture presentation, 19.3-457
OGO-A magnetic field observations (*with others*), 19.5-455
Recent measurements of the magnetic field in the outer magnetosphere and boundary regions, 19.3-507
Satellite and rocket observations, 19.11-561
Herbert, Th.
Tables of virtual heights for models of monotonic and nonmonotonic ionospheric layers, 19.2-358
Herbertson, John G.
[Discussion of] Saburo Komura and Daryl B. Simons: River-bed degration below dams (*with others*), 19.10-781
Herdendorf, C. E., *see* **Hartley, R. P.,** 19.7-793
Herget, William F.
Parametric amplifier interim weather fix (*with* **Offi, D. L.**), 19.10-155
Hering, Wayne S.
Ozonesonde observations over North America, Vol. 4 (*with* **Borden, T. R., Jr.**), 19.7-246
Heristchi, Dj.
Mesure du rayonnement cosmique en periode de minimum d'activite solaire a l'aide des vols simultanes SPARMO, 19.10-589
Heritage, J. L., *see* **Bowen, E. D.,** 19.7-496
Herkimer, Kenneth W., *see* **Greenfield, A. R.,** 19.7-752
Hernandez, G. J.
Kinetic temperature measurements of the 5577 Å [OI] line of the night airglow (*with* **Turtle, J. P.**), 19.2-412
Herrin, Eugene, *see* **Mack, H.,** 19.12-585
Herring, Alika K.
Observations of comet Ikeya-Seki (1965f) from Mauna Kea, Hawaii, 19.3-585
Herrmann, M. R.
Protective coverings for ice and snow (*with* **Stehle, N. S.**), 19.12-415
Hersey, John Brackett
Deep-sea photography (*ed.*), 19.8-24
Hershfield, D. M.
Precipitation (*with* **Schleusener, R. A.**), 19.4-338
Hervier, R.
Analyseur de pouvoir glacogene automatique (*with others*), 19.2-101
Hess, Mieczyslaw
Methode der Unterscheidung und Charakteristik der klimatischen Hoehenstufen am Beispiel der Ostalpen, Sudeten und Westkarpaten [Method of differentiation and characteristics of climatic altitude levels based on the eastern Alps, the Sudetes and Western Carpathians], 19.5-349
O wplywie ekspozycji terenu na klimat w Polsce Poludniowej [Effect of slope exposure on the climate in southern Poland], 19.11-495
Hess, Seymour L., *see* **Hadlock, R. K.,** 19.8-305
Hess, Wilmont N.
OSO-1 solar neutron experiment (*with* **Kaifer, R. C.**), 19.4-476
See also **U. S. National Aeronautics and Space Administration,** 19.4-573
Hesselberg, Th.
Die Groessenordnung der meteorologischen Elemente und ihrer raeumlichen und zeitlichen Ableitung [Orders of magnitude of meteorological elements and their space and time derivatives] (*with* **Friedmann, A.**), 19.2-18
Die Reibung in der Atmosphaere [Friction in atmosphere], 19.2-18
Ueber eine Beziehung zwischen Druckgradient-Wind und Gradientenaenderungen [A relationship between pressure gradient, wind and changes in gradient], 19.2-18
Hessler, V. P.
Magnetic micropulsation activity at the South Geomagnetic Pole, 19.7-600
See also **Heacock, R. R.,** 19.3-479; **Knaflich, H. B.,** 19.8-586
Hesstvedt, Eigel
Factors determining the concentration of water vapor near the mesopause, 19.9-471

Water vapor in the mesosphere and noctilucent clouds, 19.8-471

Heuring, F. T.
Evaluation of geomagnetic harmonic series for 1100-kilometer altitude (*with others*), 19.7-594

Heuseler, Holger
Das jahreszeitliche Verhalten der Polkappen auf dem Planeten Mars [Seasonal behavior of the polar caps on the Planet Mars], 19.12-601

Hewish, A.
Interplanetary observations using radio techniques, 19.9-31
See also **Okoye, S. E.,** 19.6-497, 570

Hewitt, C. W.
Relationship between rainfall variation and agricultural production, 19.12-363

Hewitt, J.
24 in. Schmidt satellite cameras, and their use in geodetic and geophysical investigations, 19.4-561

Hewson, E. Wendell
Hybrid analog-digital computer for the atmospheric sciences (*with* **Brock, F. V.**), 19.1-40
Meteorological measurements, 19.11-257

Hibbard, Robert R., *see* **Liebert, C. H.,** 19.9-648

Hibberd, F. H.
Variations in total electron content and other ionospheric parameters associated with magnetic storms (*with* **Ross, W. J.**), 19.2-359
See also **Essex, E. A.,** 19.12-66

Hickley, T. J.
Deep-sea stable platform, 19.4-617

Hickman, Kenneth
Oases for the future, 19.6-735

Hickok, Frederick R.
Model atmospheres for 05 V and BO V stars with line blanketing (*with* **Morton, D. C.**), 19.12-660

Hickok, R. B., *see* **Osborn, H. B.,** 19.7-410

Hicks, B. B.
Concentrations of Beryllium-7 over Australia during 1965, 19.5-180
See also **Dyer, A. J.,** 19.7-256

Hicks, John J.
Clear-air turbulence: simultaneous observations by radar and aircraft (*with others*), 19.2-236
Radar observations of breaking gravitational waves in the visually clear atmosphere (*with* **Angell, J. K.**), 19.3-61

Hicks, Steacy D.
Tidal current survey of Long Island and Block Island Sounds, 19.6-692

Hidaka, F. T.
Evaluation of seepage from Chester Morse Lake and Masonry Pool, King County, Washington (*with* **Garrett, A. A.**), 19.10-782

Hidaka, K.
Non-linear computation of the equatorial upwelling [Comments by K. Takano], 19.6-678

Hide, R.
On the dynamics of Jupiter's interior and the origin of his magnetic field, 19.3-567
On the theory of the geomagnetic secular variation, 19.4-509
Taylor columns (*with* **Ibbetson, A.**), 19.3-446

Hidiroglou, M., *see* **Dermine, P.,** 19.8-54

Hidy, George M.
Winds: the origins and behavior of atmospheric motion, 19.9-2

Hiei, Eijiro
Emission gradients in the continuum at the Sun's limb (*with* **Faller, J. E.**), 19.12-617

Hiemstra, Lourens A. V.
Engineering judgment and small area flood peaks (*with* **Reich, B. M.**), 19.3-108

Hiez, G.
Regimes hydrologiques en Guyane Francaise (*with* **Dubreuil, P.**), 19.10-8

Higashi, Akira
Ice crystal growth in a temperate glacier in Alaska, 19.11-759
Mechanisms of plastic deformation in ice single crystals, 19.11-760

Higgins, Bobby Joe
Tropospheric long-wave behavior during down-stream amplification of troughs and ridges, 19.11-325

Higgins, Peter W.
Radiation environment at high orbital altitudes (*with* **Lill, J. C.** and **White, T. T.**), 19.7-51

Higgs, Roland W.
Ultrasonic absorption in carbon dioxide-water-vapor mixtures (*with* **Torborg, R. H.**), 19.5-392

Higuchi, Haruo
Hydraulic model experiment on the diffusion due to the tidal current (*with* **Sugimoto, T.**), 19.3-624
Observations of the transformation of ocean characteristics near coasts by use of anchored buoys (*with* **Kakinuma, T.**), 19.10-714

Higuchi, Keiji
Crystallographic orientation of frozen droplets on ice surfaces (*with* **Yosida, T.**), 19.12-382

Higuchi, Yoshihiro, *see* **Kato, Y.,** 19.8-583

Hildebrand, V. E.
High speed digital recorder for atmospheric noise (sferic) waveforms (*with* **Wulfing, D. A.**), 19.11-164

Hill, A. N.
Automatic weather stations in the U. S. Weather Bureau: past, present and immediate future, 19.4-122
See also **Peck, R. C.,** 19.4-134

Hill, E. L.
Pressure pulse from a lightning stroke (*with* **Robb, J. D.**), 19.8-486

Hill, G. E.
Grid telescoping in numerical weather prediction, 19.3-101

Hill, Geoffrey
On the orientation of cloud bands, 19.12-342

Hill, Hibbert
Note on temperatures and water conditions beneath lake ice in spring, 19.1-587

Hill, R. D.
Analysis of irregular paths of lightning channels, 19.8-487

Hill, R. F.
General description of the underwater acoustic communication channel, 19.8-720

- **Hill, Robert J.,** *see* **Benson, R. H.,** 19.7-631
- **Hills, E. S.**
  - Arid lands: a geographical appraisal (*ed.*), 19.11-34
  - Geomorphology [of arid lands] (*with* **Ollier, C. D.** and **Twidale, C. R.**), 19.11-501
  - Research and the future of arid lands, 19.11-502
- **Hilst, Glenn R.**
  - Meteorological management of air pollution, 19.8-229
  - What can we do to clear the air? 19.3-139
- **Hilsum, C.,** *see* **Butcher, P. N.,** 19.9-31
- **Hincksman, D. R.,** *see* **Maine, R.,** 19.12-64
- **Hindman, Edward E., II**
  - Numerical simulation of supercooled fog dispersal, 19.11-223
- **Hines, C. O.**
  - Applications of gravity-wave theory to upper atmospheric studies, 19.11-309
  - Effect of molecular dissipation in upper atmospheric gravity waves, 19.12-484
  - Effect of ohmic losses in upper atmospheric gravity waves, 19.12-485
  - Gravity waves in the presence of wind shears and dissipative processes, 19.11-310
  - Ionospheric dynamics with emphasis on the E-region, 19.9-30
  - Some consequences of gravity-wave critical layers in the upper atmosphere, 19.12-486
  - Studies in upper atmospheric dynamics, 19.4-189
  - Validity of three-station methods of determining ionospheric motions (*with* **Raghava Rao, R.**), 19.12-487
- **Hingston, Janice,** *see* **King-Hele, D. G.,** 19.4-174, 19.8-220
- **Hino, Mikio**
  - Diffusion of smoke from a high stack (*with* **Homma, M.** and **Senshu, T.**), 19.10-330
  - Theory on the fetch graph, the roughness of the sea and the energy transfer between wind and wave, 19.10-379
- **Hinton, Dwayne E.,** *see* **Jalink, A., Jr.,** 19.11-344
- **Hinze, J. O.**
  - Secondary currents in wall turbulence, 19.10-331
- **Hinzpeter, Hans**
  - Ergebnisse der Messungen zur Strahlungsbilanz waehrend der Fahrtabschnitte zwischen Suez und Aden II der Indischen-Ozean-Expedition 1964-1965 [Results of radiation balance measurements during the cruise between Suez and Aden II of the Indian Ocean Expedition 1964-1965], 19.1-201
  - Der Tagesgang der Wasseroberflaechentemperatur in der Naehe des Aequators [The daily variation of the water surface temperature in the vicinity of the equator], 19.1-569
- **Hirano, Toshiyuki**
  - On the dilution area of effluent in the sea, 19.3-645
- **Hirao, Kunio**
  - Electron temperature in aurora, 19.5-436
  - Relation between sunspot number and charged particle density in the upper ionosphere (*with* **Miyazaki, S.**), 19.8-506
- **Hirasawa, Takeo**
  - Spectral analysis of geomagnetic pulsations from 0.5 to 100 sec in period for the Quiet Sun condition (*with* **Nagata, T.**), 19.3-480
- **Hirata, Masaru,** *see* **Echigo, R.,** 19.5-277
- **Hirata, Yasuo,** *see* **Kato, S.,** 19.9-591
- **Hirling, Gyorgy**
  - Legkor felepitesenek nehany sajatossaga a keletantarktiszi Mirnij kutatoallomas folott 1965-ben [Some characteristic features of the atmospheric structure above the research station Mirny in Eastern Antarctica during the year 1965], 19.9-268
- **Hirota, Isamu**
  - Dynamic instability of the stratospheric polar vortex, 19.7-279
  - Vertical structure of the stratospheric sudden warming, 19.8-363
- **Hirsch, Francois**
  - Application de l'analyse statistique a l'etude de la pluviometrie: le Bassin de la Bruche, 19.4-344
- **Hirsch, John H.,** *see* **Simmons, J. N.,** 19.11-210
- **Hirsch, R.**
  - Calculation of the turbulent boundary layer and of transition on a plane plate [Transl. from French], 19.6-21
- **Hirschfeld, Tomas**
  - Improvements in photomultipliers with total internal reflection sensitivity enhancement, 19.8-156
- **Hirshberg, Joan**
  - Long period geomagnetic fluctuations after the 1964 Alaskan earthquake (*with* **Currie, R. G.** and **Breiner, S.**), 19.8-575
  - Transport of flare plasma from the Sun to the Earth, 19.7-624
- **Hisdal, Vidar**
  - Weather in Svalbard in 1966, 19.10-101
- **Hiser, Homer W.**
  - Radar and synoptic analysis of the Miami tornado of June 17, 1959, 19.10-263
  - Relations between radar sea clutter and existing local weather conditions (U), April 20, 1966-Feb. 20, 1967 (*with* **Andrews, G. F.** and **Courtright, C. L.**), 19.2-73
- **Hitchcock, Dian R.**
  - Life detection by atmospheric analysis (*with* **Lovelock, J. E.**), 19.1-136
- **Hitschfeld, Walter**
  - [Comments on] R. R. Braham, Jr.: Cirrus cloud seeding as a trigger for storm development, 19.9-248
- **Hixon, S. B.**
  - Topographic and geologic aspects of a far-side lunar crater, 19.11-637
- **Hjortenberg, Erik**
  - Bibliography of microseisms, 1955-1964, 19.5-38
- **Hjortnaes, Kjartan,** *see* **Nordoe, J.,** 19.11-447
- **Hlachova, Pavla**
  - Pokus o teoreticky vyklad spiralni struktury oblacnosti v okludovane cyklone na zaklade reseni ω-rovnice [Theoretical explanation of the spiral structure of cloudiness in an occluded cyclone on the basis of the solution for the ω-equation], 19.6-265

Hladny, Josef
- Studie kratkodobych hydrologickych predpovedi v povodi Ohre [Studies on short term forecasts in the Ohre River basin] (*with* **Barborik, J.**), 19.12-135

Hoadley, Alfred W., *see* **Lee, G. F.,** 19.9-810

Hoag, Arthur A., *see* **Ball, W. F.,** 19.8-624

Hoaglin, D. C., *see* **Groenewoud, C.,** 19.7-102

Hoang, Chi Trach, *see* **Grjebine, T.,** 19.4-187

Hoang, Sang
- Relation entre l'apparition des sursauts de type III et la presence des centres d'orages de bruit sur 169 MHz et des condensations radioelectriques sur 3 cm de longueur d'onde, 19.1-468

Hoang Binh, Dy, *see* **McCarroll, R.,** 19.12-573

Hoare, R. A.
- Thermohaline convection in Lake Vanda, Antarctica, 19.7-794

Hobbs, P. V.
- Fragmentation of freezing water droplets in free fall (*with* **Alkezweeny, A. J.**), 19.12-328
- Role of volume diffusion in the metamorphism of snow (*with* **Radke, L. F.**), 19.4-355
- Splashing of drops on shallow liquids (*with* **Osheroff, T.**), 19.3-274
- *See also* **Burrows, D. A.,** 19.5-388; **Dye, J. E.,** 19.2-271; **Ketcham, W. M.,** 19.12-329; **Radke, L. F.,** 19.4-354

Hocevar, Andrej
- Globalno sevanje v Ljubljani [Global radiation at Ljubljana], 19.2-202

Hochstein, M. P.
- Determination of the activation energy of polar firn by D. C. resistivity measurements (*with* **Risk, G. F.**), 19.4-356
- Electrical resistivity measurements on ice sheets, 19.4-719

Hodara, H.
- Laser wave propagation through the atmosphere, 19.10-211
- *See also* **Swift, C. T.,** 19.11-105

Hodge, Mary W.
- Large irregularities of rawinsonde ascensional rates within 100 nautical miles and three hours of reported clear air turbulence [Comments by J. K. Angell], 19.4-282

Hodge, William T.
- Waterspout spotted by TEXACO NEW JERSEY, 19.6-275

Hodges, G. F.
- Engineering for production of a recording current meter, 19.1-533
- New oceanographic instruments, 19.6-651
- Recording current meter using domestic magnetic tape and an off line suspension system, 19.9-752

Hodges, James C., *see* **Leadabrand, R. L.,** 19.2-402

Hoeflich, Otto, *see* **Rudloff, W.,** 19.2-81

Hoegbom, J. A.
- Earth-rotation synthesis using fixed antennas, 19.9-31

Hoegstroem, Ulf
- New sensitive eddy flux instrumentation, 19.6-159
- Statistical approach to the air pollution problem of chimney emission, 19.11-265
- Studies of the natural evaporation and energy balance, 19.12-319
- Turbulent water-vapor transfer at different stability conditions, 19.10-235

Hoehn, Rudolf
- Aenderungen im Schluessel fuer Schiffswettermeldungen [Changes in the code for ship weather reports], 19.5-140
- Zum Nebelvorkommen auf See [Occurrence of fog at sea], 19.1-291

Hoehne, W., *see* **Baumgart, H.,** 19.6-155

Hoekstra, Pieter, *see* **Low, P. F.,** 19.4-772, 19.7-334, 19.10-799

Hoell, James M., Jr., *see* **Brooks, D. R.,** 19.2-342

Hoeller, E.
- Neue Temperaturmessungen im Auftriebwasser vor Nordwestafrika [New temperature measurements in upwelling water near northwest Africa], 19.5-673
- [Summarization of] A. Lang: Ein neuer Mikro-Thermohygrograph fuer agrar- und laderaum-meteorologische Messungen [New microthermohygrograph for agro- and ships' hold meteorological measurements], 19.7-140

Hofer, R. C., *see* **Jacobs, H.,** 19.8-626

Hoffer, Thomas E.
- Vertical wind tunnel for small droplet studies (*with* **Mallen, S. C.**), 19.8-414

Hoffman, J. M.
- Molecular fluorescence accompanying the twilight injection of triethylborane into the upper atmosphere (*with* **Palmer, M. A.** and **Smith, L. B.**), 19.1-81

Hoffman, L. A.
- Propagation factors at 3.2 millimeters, 19.10-199

Hoffman, R. A.
- Higher-order ring currents and particle energy storage in the magnetosphere (*with* **Brachen, P. A.**), 19.5-519
- Possible particle measurements in the high-latitude magnetosphere, 19.4-552

Hoffmann, Ludwig, *see* **Georgii, H. W.,** 19.6-202

Hoffmann, W. F.
- Far-infrared surveys of the sky (*with others*), 19.1-460

Hofmann, Gustav
- Mikrometeorologie [Micrometeorology], 19.6-443

Hofmann, Walter
- What is drought? (*with* **Rantz, S. E.**), 19.12-372

Hofmeyr, W. L.
- Annual and semi-annual changes of air temperature over the Pacific Ocean, 19.9-394
- On the question whether heavy rainfall in South Africa corresponds to specific phases of the Moon, 19.2-291

Hogan, Austin W.
- Ice nuclei from direct reaction of iodine vapor with vapors from leaded gasoline, 19.3-276

Hogan, G. D.
- Interrogation, recording and location system (*with* **Townsend, M. R.**), 19.5-112

Hogben, N.
Hovering craft over water, 19.9-792
Hogg, D. C.
Millimeter-wave communication through the atmosphere, 19.11-445
Hogg, Helen Sawyer, *see* **Heard, J. F.,** 19.5-541
Hogg, W. H.
Effect of a severe storm on May 17, 1955 on a bean crop in Hampshire, 19.8-59
Frost types and incidence: some horticultural and agricultural applications, 19.10-305
Use of upper air data in relation to plant disease, 19.7-60
Hogge, John E.
Three ballistic camera data reduction methods applicable to reentry experiments, 19.5-41
Hoidale, G. B.
Study of atmospheric dust (*with others*), 19.2-4
Hoiland, Einar
On the stability of shear flow of a stratified fluid (*with* **Riis, E.**), 19.12-180
Hoinkes, Herfried C.
Die Berechnung des Strahlungsanteiles an der Ablation im Gebiet des Hintereis- und Kesselwandferners (Oetztaler Alpen) im Sommer 1958 [Calculation of the role of radiation in the ablation in the Hintereis and Kesselwandferner region (Oetztal Alps) in the summer of 1958] (*with* **Wendler, G.**), 19.5-210
Glacier variation and weather, 19.7-773
Gletscherschwankungen und Wetter in den Alpen [Glacier fluctuations and weather in the Alps], 19.5-343
Low-level inversions at Little America V, 1957, 19.12-255
Hojo, H.
Direct use of the phase refractive index for reducing h'(f) curves to N(h) profiles, 19.2-360
Holdsworth, D. W.
Studies of the radar properties of rocks in vacuum and the design of a specialized radar for measuring stratification features of the lunar and terrestrial surface (*with* **Barringer, A. R.**), 19.11-628
Holl, Manfred M., *see* **Danard, M. B.,** 19.8-372
Holl, R.
Resultats des campagnes de mesure de la pollution atmospherique sur le site des centrales thermiques E.D.F. en 1966, 19.12-146
Holland, D. J.
Cardington rainfall experiment, 19.1-298
Evaporation, 19.11-428
Rain intensity frequency relationships in Britain, 19.11-452
Holland, J. D.
Statistical design for cloud seeding evaluation-precipitation physics project (*with* **Crozier, C. L.**), 19.7-212
See also **Crozier, C. L.,** 19.11-232
Holland, J. Z.
Joint density functions of turbulent variables in the atmospheric boundary layer, 19.10-332
Holland, M. E., *see* **Dickinson, W. T.,** 19.3-287
Holland, William R.
On the wind-driven circulation in an ocean with bottom topography, 19.6-341
Holle, Ronald L.
Some aspects of tropical oceanic cloud populations, 19.7-390
Holleyman, J. B.
Some results of the program conducted by Great Lakes-Illinois River Basins Project on the Great Lakes, 19.8-762
Hollister, H. J.
Sea surface temperature and salinity at shore stations along the British Columbia coast during 1965, 19.8-735
Holmes, David W.
Meteorological telecommunication by satellite, 19.11-63
Holmes, J. W.
Measurement of soil water (*with* **Taylor, S. A.** and **Richards, S. J.**), 19.7-93
Holmes, John F.
Tuned spherical buoy, 19.1-521
Holopainen, E. O.
Determination of the wind-driven ocean circulation from the vorticity budget of the atmosphere, 19.2-252
Note on the use of a forecast as the first guess in objective analysis, 19.12-109
On the mean meridional circulation and the flux of angular momentum over the Northern Hemisphere, 19.5-196
Holownia, B. P.
Buckling of cylindrical shells under wind loading, 19.11-408
Holt, E. H.
Experiments in low energy plasmas (*with* **Noon, J. H.**), 19.2-458
Holt, Maurice, *see* **Chan, B. C.,** 19.12-691; **Collins, R.,** 19.12-692
Holt, O.
Results from an RF capacity probe experiment in the auroral ionosphere (*with* **Lerfald, G. M.**), 19.4-141
Holt, S. S., *see* **Cline, T. L.,** 19.5-593
Holter, M. R.
Remote thermal sensing (*with* **Legault, R. R.**), 19.10-136
Tools for the future, 19.10-641
Holtet, J., *see* **Egeland, A.,** 19.11-592
Holtmeier, Friedrich Karl
Die Verbreitung der Holzarten im Oberengadin unter dem Einfluss des Menschen und des Lokalklimas [The distribution of aborescent vegetation in the Oberengadin area under the influence of man and local climate], 19.6-74
Holton, James R.
Diurnal boundary layer wind oscillation above sloping terrain, 19.6-333
Note on "Kelvin" waves in the atmosphere (*with* **Lindzen, R. S.**), 19.10-250
Note on the propagation of the biennial oscillation, 19.9-460
See also **Wallace, J. M.,** 19.7-281
Holtzman, R. B., *see* **Ter Haar, G. L.,** 19.4-342

Holweger, Hartmut, *see* **Baschek, B.**, 19.1-504; **Mueller, E. A.**, 19.7-702
Holzworth, George C.
  Mixing depths, wind speeds and air pollution potential for selected locations in the United States, 19.3-140
Homma, Masao, *see* **Hino, M.**, 19.10-330
Hom-ma, Masashi
  Response characteristics of underwater wave gauge (*with* **Horikawa, K.** and **Komori, S.**), 19.10-717
Honda, Masatake
  Effects of cosmic rays on meteorites (*with* **Arnold, J. R.**), 19.11-654
Hones, E. W., Jr.
  Outward flow of plasma in the magnetotail following geomagnetic bays (*with others*), 19.4-507
  See also **Cline, T. L.**, 19.5-593; **Hargreaves, J. K.**, 19.10-631
Honeywell, Inc. Systems and Research Div., *see* **TenBroek, H. W.**, 19.10-359
Hong Kong. Royal Observatory
  Thunderstorm and heavy rain warning service, 19.8-313
Hoogasian, Harry, *see* **Croft, T. A.**, 19.5-399
Hook, J. L., *see* **Rai, D. B.**, 19.2-378
Hooke, W. H.
  Ionospheric irregularities produced by internal atmospheric gravity waves, 19.12-488
Hooker, C. A., *see* **Brand, G. F.**, 19.9-111
Hooker, G. Vernon, *see* **U. S. Library of Congress. Science and Technology Div.**, 19.7-46
Hoover, Sam R.
  Agricultural processing wastes: magnitude of the problem (*with* **Jasewicz, L. B.**), 19.6-206
Hoover, Thomas E.
  Study of the mechanism of gaseous transfer across an air-water interface using carbon dioxide (*with* **Ibert, E. R.**), 19.4-177
Hoover, Wayne M., *see* **O'Bryant, R.**, 19.10-96
Hopkins, A. S., *see* **Ailman, C. M.**, 19.9-80
Hopkins, H. G.
  Radio tracking at Winkfield, 19.5-532
Hoppe, Gunnar
  Grimsey and the maximum extent of the last glaciation of Iceland, 19.9-807
Hoppel, W. A., *see* **Kraakevik, J. H.**, 19.11-517
Hopwood, Jennifer M., *see* **Tucker, G. B.**, 19.7-356
Hord, J.
  Condensation of dry air on liquid hydrogen cooled surface in pressure range 10^{-3} to 10 Torr (Knudsen number of 10^{-4} to 1), 19.5-104
Horie, Shoji
  Limnological studies of Lake Yogo-ko, **Pts. 1-2**, 19.7-786; **Pt. 3**, 19.12-786
Horiguchi, Kaoru
  Observation of growth process of ice column from soil, "Shimobashira", 19.9-803
Horikawa, Kiyoshi, *see* **Hom-ma, M.**, 19.10-717
Horiuchi, Goji
  Nitric oxide and positive ions in the lower thermosphere in solar minimum, 19.3-383
Horn, B. M., *see* **Horn, D. R.**, 19.8-716
Horn, D. R.
  Correlation between acoustical and other physical properties of deep-sea cores (*with* **Horn, B. M.** and **Delach, M. N.**), 19.8-716
Horn, J. D.
  System design for the Atmospheric Sciences Office wind research facility (*with* **Hunt, J. A.**), 19.6-52
  See also **Cermak, J. E.**, 19.8-106
Hornbaker, D. R., *see* **Rall, D. L.**, 19.6-98
Horner, David A., *see* **Pochop, L. O.**, 19.10-291
Horner, F.
  Atmospheric noise and its influence on communications, 19.9-30
Horonjeff, R., *see* **Finch, D. M.**, 19.10-484
Horowitz, S., *see* **Inoue, Y.**, 19.12-490
Horr, C. A., *see* **Hely, A. G.**, 19.12-72; **Iorns, W. V.**, 19.9-843, 19.12-29
Horrall, Ross M., *see* **Wright, J. C.**, 19.6-759
Horton, C. W.
  Electrical conductivity of the Earth's mantle, 19.5-452
Horvath, I., *see* **Bodrogkozy, Gy.**, 19.11-492
Horvath, J. J., *see* **Theon, J. S.**, 19.11-140, 19.12-260
Hoshina, M., *see* **Tsuchiya, K.**, 19.8-425
Hosinsky, G., *see* **Gimse, O.**, 19.3-591
Hosking, Kenneth J.
  Winters at Ryde, Isle of Wight, 1918-67: a temperature assessment, 19.9-395
Hosler, C. L.
  Report of Cloud Physics Committee (*with others*), 19.4-330
  See also **Davis, L. G.**, 19.7-195
Hosokawa, Takahide
  Life-form of vascular plants and the climatic conditions of the Micronesian Islands, 19.11-493
Hosoya, Masayuki
  Test travelling of oversnow vehicle (model KD 601) for Japanese Antarctic Research (*with* **Aragane, K.** and **Sato, K.**), 19.12-402
Houghten, R. L.
  Semi-automatic meteorological station, 19.4-123
Houghton, J. T.
  Atmospheric physics research at Oxford, 19.6-51
  Humidity of the stratosphere, 19.8-400
Hoult, D. P., *see* **Hale, L. C.**, 19.8-161
Houminer, Zvi, *see* **Mass, J.**, 19.3-394
Hounam, C. E.
  Meteorological factors affecting physical comfort with special reference to Alice Springs, Australia, 19.2-217
Houtermans, J.
  Effect of industrial fuel combustion on the carbon-14 level of atmospheric CO_2 (*with* **Suess, H. E.** and **Munk, W.**), 19.10-224
Houtgast, J.
  Geomagnetic activity around conjunction and opposition of planets (*with* **Van Sluiters, A.**), 19.3-447
  High-dispersion continuous ultraviolet solar spectrum and the Balmer jump, 19.9-715

Houtman, J. P. W.
Radiometric determination of moisture in gases (*with* **Medema, J.**), 19.11-118
Hovermale, John B., *see* **Shuman, F. G.,** 19.12-113
Hovey, William
Synoptic analysis of New England's "backdoor" cold fronts (*with* **Sirinek, K.** and **Storer, F.**), 19.6-281
Howard, John N.
Atmospheric optics and radiation transfer (*with* **Garing, J. S.**), 19.4-242
Howard, Robert
Magnetic field of the Sun (observational), 19.6-624
Howe, Everett D.
Combined solar still and rainfall collector, 19.2-193
Howe, H. Herbert
Ionospheric electron-density profiles with continuous gradients and underlying ionization corrections, Pt. 2 (*with* **McKinnis, D. E.**), 19.2-361
Howell, H. B., *see* **Twomey, S.,** 19.8-419, 19.9-487
Howell, John R., *see* **Siegel, R.,** 19.11-340
Howell, T. F.
Attenuation of radio waves by the troposphere over the frequency range 0.4-10 GHz (*with* **Shakeshaft, J. R.**), 19.4-182
Spectrum of the 3° K cosmic microwave radiation (*with* **Shakeshaft, J. R.**), 19.7-646
Howell, Wallace E.
Legislative apsects of weather modification, 19.8-199
Hower, G. L., *see* **Heisler, R.,** 19.2-357
Howorka, F., *see* **Ambach, W.,** 19.3-322
Hoyanagi, Mutsumi
Research on climatic change in Japan, 19.1-34
Hoyle, F.
Condensation of the planets (*with* **Wickramasinghe, N. C.**), 19.7-664
Hoyt, John H.
Intercontinental correlation of late pleistocene sea levels, 19.1-536
Hruskova, Jaroslava
Effect of the structure of the ionosphere on *pc3* pulsations, Pt. 2, 19.12-489
Hsi, G.
Laboratory study on the drag force distribution within model forest canopies in turbulent shear flow (*with* **Nath, J. H.**), 19.10-354
Hsieh, H. C.
Effect of longitudinal electrostatic field on the whistler mode propagation in a warm magnetoionic medium, 19.6-472
Hsu, En Yun, *see* **Bole, J. B.,** 19.8-384; **Shemdin, O. H.,** 19.10-245
Hsu, Shih Ang, *see* **Eddy, A.,** 19.12-281
Hsu, Shu Ying
Advance and retreat of monsoons in East Asia in relation to the seasonal variations of the westerly circulation, 19.9-28
Monsoons in East Asia in relation to synoptic seasons (*with* **Kao, Y. H.**), 19.9-28
Water-vapor transfer and water balance over eastern China [Transl. from Chinese], 19.2-262
See also **Kao, Y. H.,** 19.9-28
Hubbard, Harvey H.
Sonic booms, 19.9-85
Hubert, W. E., *see* **Laevastu, T.,** 19.11-198
Huddar, B. B.
Improved automatic signalling anemometer, 19.5-129
Hudson, J. P., *see* **Davenport, D. C.,** 19.3-39, 19.10-470
Huff, F. A.
Mesoscale structure of severe rainstorms, 19.10-91
Relation between Ce^{144} and Sr^{90} rainout in convective rainstorms (*with* **Stout, G. E.**), 19.12-164
Spatial distribution of heavy storm rainfalls in Illinois, 19.7-405
Time distribution of rainfall in heavy storms, 19.3-187
See also **Changnon, S. A., Jr.,** 19.7-205; **Stout, G. E.,** 19.10-429
Huff, Lloyd C.
Evaluation of the NOMAD wind measurement subsystem, 19.4-612
Hufnagl, Felix
Die Sturmwetterlagen im Februar und Maerz 1967 und ihre Auswirkungen auf Oesterreich [Stormy weather in February and March 1967 and its effects in Austria], 19.12-205
Huggins, L. F.
Mathematical model for simulating the hydrologic response of a watershed (*with* **Monke, E. J.**), 19.11-797
Hughes, A. P.
Importance of light compared with other factors affecting plant growth, 19.2-194
Hughes, A. R. W., *see* **Bullough, K.,** 19.10-123
Hughes, Ernest E.
Simple technique for the absolute determination of atmospheric oxygen, 19.10-153
Hughes, H. G.
Comparison at extremely low-frequencies of positive and negative atmospherics, 19.1-357
Current moments at ELF of lightning discharges associated with a mature tropical hurricane, 19.8-492
Directional dependency of 'slow tail' e.l.f. atmospheric waveforms, 19.4-553
Nonreciprocal attenuation rates at ELF from 'slow tail' measurements, 19.2-475
Hughes, Lawrence A.
[Comments on] J. R. Eagleman: Tornado damage patterns in Topeka, Kansas, June 8, 1966, 19.9-347
On the use and misuse of the Brier verification score, 19.4-158
Probability verification results (6-month and 18-month), 19.2-119; . . . (for 24 months), 19.6-182
Hughes, Leon S.
Reconnaissance of the chemical quality of surface waters of the Neches River Basin, Texas (*with* **Leifeste, D. K.**), 19.5-762

Hughes, V. A.
New type of polarimeter for galactic continuum, 19.9-31
Hughes, W. F., *see* **Chen, C. P.,** 19.5-516
Hughes Aircraft Co. Space Systems Div.
Experimenter's design handbook for the Manned Lunar Surface Program, 19.5-22
Hultqvist, Bengt
Aurora, 19.11-548
On the solution of the integral equation relating height distribution of electron density to radio-wave absorption, 19.10-532
Hume, David N., *see* **Andersen, N. R.,** 19.6-660
Hume, James D.
Shoreline processes near Barrow, Alaska: a comparison of the normal and the catastrophic (*with* **Schalk, M.**), 19.1-570
Humes, Arthur G.
Cruise Report, Research Vessel ANTON BRUUN, cruises 18A and 18B, 19.2-521
Humi, M., *see* **Shafrir, U.,** 19.8-472
Hummel, Jack L.
Snowfall statistics for Williamsport, Pennsylvania, 19.12-389
Humphreys, C. P., Jr., *see* **Newcombe, R., Jr.,** 19.11-14
Hundhausen, A. J.
Solar wind thermal anisotropies: Vela 3 and IMP 3 (*with* **Bame, S. J.** and **Ness, N. F.**), 19.2-464
State of ionization of oxygen in the solar wind (*with* **Gilbert, H. E.** and **Bame, S. J.**), 19.11-590
Hungary. Orszagos Meteorologiai Intezet
Magyarorszag eghajlati atlasza, II Kotet, Adattar [Climatic atlas of Hungary, Vol. 2, Tables], 19.8-27
Hungerford, Arthur
Opportunities for meteorologists in public broadcasting, 19.12-104
Hungerford, Kenneth E.
Acetate dew gage, 19.2-99
Hunt, Graham R., *see* **Rehnberg, J. D.,** 19.1-480
Hunt, H. C.
Total solar eclipse of November 12, 1966, 19.7-706
Hunt, J. A., *see* **Horn, J. D.,** 19.6-52
Hunt, J. N.
Vortex streets in the Earth's atmosphere (*with* **Wickins, P. E.**), 19.2-159
Hunt, K. E.
Economics of frost, 19.9-398
Hunt, L. A.
Energy budget at the Earth's surface: preliminary wind tunnel studies of the photosynthesis and transpiration of forage stands (*with* **Impens, I. I.** and **Lemon, E. R.**), 19.6-288
Hunten, Donald M.
Metastable O_2('Δ) as a major source of ions in the D region (*with* **McElroy, M. B.**), 19.7-510
Optical upper atmospheric investigations at the University of Saskatchewan (*with others*), 19.1-407
Structure of the lower atmosphere of Venus, 19.7-665
Upper-atmosphere sodium and stratospheric warmings at high latitudes (*with* **Godson, W. L.**) [Comments by J. E. Geisler and R. E. Dickinson], 19.3-143
See also **Belton, M. J. S.,** 19.5-562
Hunter, George S.
Surveyor receives Earth laser beams, 19.11-594
Venus atmosphere found refractive, 19.5-565
Hunter, J. H., Jr.
On the cosmology of Alfven and Klein, 19.6-567
Hunter, Paul A.
Analysis of VGH data from one type of four-engine turbojet transport airplane during commercial operations, 19.11-79
Hunter, W. R.
On the cause of errors in reflectance vs angle of incidence measurements and the design of reflectometers to eliminate the errors, 19.8-318
Hunting Group Review, [London]
Keeping a watch on the weather, 19.11-60
Hupfer, Peter
Ozeanologische Aspekte der industriellen Meerwasserentsalzung [Oceanological aspects of industrial sea water desalination], 19.2-553
Huppi, E. Ray
Techniques for the measurement of airglow and aurora in the infrared, 19.7-560
Hurduc, N., *see* **Paduraru, A.,** 19.11-86
Hurley, Patrick A., *see* **Reedy, W. W.,** 19.11-244
Hurley, Patrick M.
Confirmation of continental drift, 19.12-530
Hurst, F. B.
Climates prevailing in the yellow-gray earth and yellow-brown earth zones in New Zealand, 19.5-347
Hurst, G. W.
Frost: Aberystwyth 1967 Symposium, 19.6-311
Frost variation in Thetford Chase, 19.9-107
Further studies of minimum temperatures in the forest of Thetford Chase, 19.2-225
Grass growing days (*with* **Smith, L. P.**), 19.7-440
Hurst, H. E.
Nile Basin, Vol. 10, The major Nile projects (*with others*), 19.8-12
Huruhata, Masaaki
Rocket observation of [OI] 5577 Å emission and continuum at 5300 Å in night airglow (*with* **Nakamura, T.** and **Steiger, W. R.**), 19.11-549
Rocket observations of emission heights of 6300 Å line in night airglow (*with* **Nakamura, T.**), 19.8-547
See also **Tanabe, H.,** 19.11-668
Husby, David M.
Oceanographic observations, North Atlantic Ocean Station BRAVO 56°30'N, 51°00'W, Aug. 1964-Aug. 1965, 19.8-703; ... Oct. 1965-Sept. 1966, 19.8-704
Huss, A.
Numerical integration of a two-level quasi-geostrophic model with variable Rossby parameter, 19.3-176
Huss, P. O.
Study of the variation of the wind gust factor, 19.8-375
Huston, Wilber B., *see* **Press, H.,** 19.9-654
Hutchings, T. B., *see* **Maletic, J. T.,** 19.6-799

Hutton, Rosemary
Sq currents in the American equatorial zone during the IGY, Pt. 1, 19.4-423
Huzioka, Tosio
Observation of creep rate of snow on mountain slopes, Teshio District, Hokkaido (*with others*), 19.12-403
Hyacinthe, Jean-Louis
Courbes relatives aux courants de maree dans la Manche obtenues a l'aide d'un modele mathematique, 19.6-691
Sur le modele mathematique des mers littorales. Application a la Manche, 19.6-690
Hyatt, H. A.
Analysis of measurements of microwave emission from the Earth's surface and atmosphere, 19.7-307
Hyder, Charles L.
Phenomenological model for *disparitions brusques* followed by flarelike chromospheric brightenings, Pt. 2, 19.4-594
Hyman, Ellis, *see* **Moss, S. J.,** 19.12-501
Hyson, Peter
Tungsten wire temperature sensor, 19.12-259

I

ICSU/IUGG. Committee on Atmospheric Sciences, *see* **Study Conference on Global Atmospheric Research Programme (GARP), Stockholm, June-July, 1967,** 19.7-16
IQSY Notes, [London]
Abbreviated calendar record, July - Dec. 1966 [of the IQSY], 19.10-106
Iablokov, A. A.
O protivolavinnoi zashchite dorogi Frunze-Osh [Avalanche control measures along the Frunze-Osh highway], 19.9-519
Iaglom, A. M.
Neravenstvo dlia smeshannogo momenta proizvodnykh skorosti i temperatury v lokal'no izotropnoi turbulentnosti [Inequality for the cross-correlation moment of velocity and temperature derivatives in local isotropic turbulence] [and Eng. transl.], 19.4-216
Vsesoiuznyi simpozium po problemam turbulentnykh techenii vkliuchaia geofizicheskie prilozheniia (16-21 iiunia 1967 g., g. Kiev) [All-Union Symposium on the problems of turbulence including geophysical applications, Kiev, June 16-21, 1967] [and Eng. transl.], 19.5-189
See also **Alekseev, V. G.,** 19.2-161; **Gurvich, A. S.,** 19.10-329; **International Colloquium on the Fine-Scale Structure, Moscow, June 1965,** 19.11-37
Iakhtenfel'd, I. P.
Solifliuktsiia kak prichina razrusheniia otkosov kanalov [Solifluction causing destruction of canal slopes], 19.5-741
Iakovkin, N. A.
Pole Lα-izlucheniia v khromosfernom volokne [The field of Lα-emission in a chromospheric filament] (*with* **Zel'dina, M. Iu.**) [and Eng. transl.], 19.12-637
Iakovlev, B. A.
O dvukh anomaliiakh osadkov v Murmanskoi oblasti [Two precipitation anomalies in the Murmansk Region], 19.5-308
Iakovlev, G. N.
Ice research in central Arctic [Transl. from Russ.], 19.2-579
Iakovlev, O. I.
Fluktuatsionnye kharakteristiki i spektr radiovoln v mezhplanetnoi srede [Fluctuation characteristics and spectrum of radio waves in the interplanetary medium] (*with* **Efimov, A. I.**), 19.11-613
Iakovleva, E. A., *see* **Boldyrev, V. G.,** 19.4-70
Iakovleva, G. V.
Vliianie passatnogo vozdushnogo perenosa na zagriaznennost' strontsiem-90 i tseziem-137 ekvatorial'nykh vod Atlantiki [Effect of air transport by trade winds on pollution by strontium-90 and cesium-137 in the equatorial Atlantic] [and Eng. transl.], 19.2-152
Iakovleva, T. A., *see* **Chekirda, A. Z.,** 19.3-59
Iakub, L. I., *see* **Pokazan'ev, V. G.,** 19.12-447
Iakushevskaia, K. E.
O vliianii refraktsii na intensivnost' dlinnovolnovogo ukhodiashchego izlucheniia [Influence of refraction on the intensity of longwave outgoing radiation] [and Eng. transl.], 19.1-215
Ianes, A. V., *see* **Chaplygin, E. I.,** 19.2-112
Iaremenko, L. N.
Nekotorye dannye o magnitnykh vozmushcheniiakh v ekvatorial'nykh oblastiakh Zemli [Some data on magnetic perturbations in the equatorial regions of the Earth], 19.9-630
Variatsii magnitnogo polia Zemli v ekvatorial'nykh oblastiakh [Variations in the geomagnetic field in the equatorial regions], 19.3-460
Iaroslavtsev, N. A.
Morfologiia beregovykh otmelei Gor'kovskogo vodokhranilishcha [Morphology of space shallows of the Gorki Reservoir], 19.4-755
Uchet vdol'beregovogo peremeshcheniia nanosov pri raschetakh pereformirovaniia beregov vodokhranilishch [Calculation of long-shore movement of sediments in designing improvements of shores of a reservoir], 19.7-808
See also **Epifanov, V. F.,** 19.5-727; **Shtein, E. I.,** 19.5-240; **Tsvetkova, D. I.,** 19.4-301
Iashina, A. V.
Vlazhnost' pochv v zavisimosti ot rel'efa i uslovii snegonakopleniia [Dependence of soil moisture on relief and the conditions of snow accumulations] (*with* **Fishman, M. I.**), 19.12-818
Iasonov, G. A.
Zamerzanie i vskrytie Kuibyshevskogo vodokhranilishcha po dannym aviarazvedok [Freezing over and breaking up of Kuibyshev Reservoir based on aerial reconnaissance data], 19.5-728
Ibbetson, Alan
Some laboratory experiments on Rossby waves in a rotating annulus, 19.5-692
See also **Hide, R.,** 19.3-446

Iben, Icko, Jr.
Effect of Be^7 K-capture on the solar neutrino flux (*with* **Kalata, K.** and **Schwartz, J.**), 19.5-447
Ibert, Edward R., *see* **Hoover, T. E.,** 19.4-177
Ichikawa, Masami
Recent trends of the studies on water balance and water resources, 19.1-36
Ichimura, Ichitaro
Measurements of precipitation particles by using metal foil and preliminary results of the flight observation (*with* **Fujiwara, M.**), 19.10-81
Ichimaru, Setsuo
Possibility of second sound in turbulent plasma, 19.6-558
Theory of a turbulent stationary state of a plasma (*with* **Nakano, T.**), 19.6-559
Ichiye, Takashi
Annotated bibliography on internal waves, 19.4-27
Example of heat transfer at the air-sea boundary over the Gulf Stream during a cold air outbreak (*with* **Zipser, E. J.**), 19.2-568
Gulf Stream survey on board the R/V Eastward in Jan. 1967, 19.2-527
Occurrence of temperature inversions in the upper layer of the ocean, 19.2-561
Upper ocean boundary-layer flow determined by dye diffusion, 19.10-741
Idle, D. B.
Ice formation in plant tissues during frost, 19.9-97
Idso, Sherwood B.
Note on the role of sky radiance in infrared thermometry (*with* **Jackson, R. D.**), 19.11-335
Idyll, C. P.
Secrets of the restless tides, 19.11-741
Ignat'ev, Iu. A., *see* **Gershman, B. N.,** 19.7-505
Ignatiushina, E. N.
O kineticheskoi energii svobodnoi atmosfery [Kinetic energy of the free atmosphere], 19.8-283
Osobennosti raspredeleniia kineticheskoi energii vdol' 140° v.d. v ianvare 1964 g [Particularities distribution of the kinetic energy along 140° e. l. in Jan. 1964], 19.3-156
Iida, M.
Computations of the transports of momentum, sensible and latent heat across the equator, 19.10-236
Ijima, Takeshi
Numerical calculation of wind waves in shallow water (*with* **Tang, F. L. W.**), 19.10-380
Ikhsanov, R. N.
Issledovanie magnitnogo polia i skorosti gaza v solnechnykh piatnakh na raznykh glubinakh s pomoshch'iu magnitografa I [Investigation of the magnetic field and gas velocity in sunspots at different levels with a magnetograph, Pt. 1], 19.12-620
K voprosu ob opredelenii lychevykh skorostei na magnetografe [Determination of radial velocities by means of a magnetograph], 19.9-701
O nekotorykh zakonomernostiakh v razvitii solnechnykh piaten i ikh interpretatsiia [Some regularities in the development of sunspots and their interpretation] [and Eng. transl.], 19.6-616
Ob izmenenii napriazhennosti magnitnogo polia solnechnykh piaten so vremenem [Temporal variation of the intensity of the magnetic field of sunspots] [and Eng. transl.], 19.10-699
Il'ianova, D. Z., *see* **Raspletina, G. F.,** 19.4-746
Il'ich, G. K., *see* **Ivanov, A. P.,** 19.11-513
Iliescu, Cornelia, *see* **Milea, E.,** 19.11-399
Iliescu, Maria, *see* **Stoenescu, S. M.,** 19.12-213
Il'in, B. M.
Maloparametricheskaia model' prognoza polia geopotentsiala i ee operativnye ispytaniia [Operation and testing of a few parametric models for geopotential field forecasting] (*with* **Orlova, L. S.** and **Rukhovets, L. V.**), 19.9-220
Il'in, G. P.
O spektral'nykh kharakteristikakh krupnomasshtabnoi turbulentnosti v svobodnoi atmosfere [Spectral characteristics of large-scale turbulence in the free atmosphere] (*with* **Rublev, P. A.**), 19.3-224
Il'in, I. A.
O vozmozhnosti ispol'zovaniia dannykh nabliudenii nad vysotoi snega v basseine reki Angren s vertoletov dlia sluzhby gidrologicheskikh prognozov i informatsii [Possibility of using snow depth data in the Angren River basin based on helicopter observations for the hydrological forecasting and information service], 19.11-143
Il'in, N. I.
Ob ispol'zovanii metoda razbavleniia radioaktivnogo indikatora dlia otsenki kharaktera peredvizheniia vody v torfianike [Use of a method of radioactive tracer dilution for estimating the character of water movement in peat] (*with* **Dzektser, E. S.**), 19.7-820
Il'in, V. D.
Ob izmenenii pervogo adiabaticheskogo invarianta chastitsy v magnitnom pole dipolia [Variation of the first adiabatic invariant of a particle in the magnetic field of a dipole] [and Eng. transl.], 19.7-625
Il'in, V. S.
Difraktsiia elektromagnitnykh voln na ul'trazvukovykh volnakh v anizotropnoi srede, II [Diffraction of electromagnetic waves by ultrasonic waves in an anisotropic medium, Pt. 2] (*with* **Kostiunina, G. P.**) [and Eng. transl.], 19.12-159
Illinois. State Water Survey. Univ. of Ill., Urbana, *see* **Bradley, W. E.,** 19.4-396; **Jones, D. M. A.,** 19.6-108; **Mueller, E. A.,** 19.5-76
Imasato, Norihisa
Note on the friction coefficient obtained by the wind profile method from our wind flume experiments, 19.3-233
Imhof, W. L.
Electron precipitation in the radiation belts, 19.12-551

Imianitov, I. M.
Airborne and radiosonde instruments for measuring raindrop size (*with* **Mikhailovskaia, V. V.** and **Evteev, B. F.**) [Transl. from Russ.], 19.9-186
Electricity of the free atmosphere: results of measurements carried out during the International Geophysical Year and Year of International Geophysical Collaboration (*with* **Chubarina, E. V.**) [Transl. from Russ.], 19.2-5
Improved method for measuring the strength of electrostatic field near the surface of aircraft flying in the upper atmosphere (*with* **Shvarts, Ia. M.**) [Transl. from Russ.], 19.9-206
Impens, I. I., *see* **Hunt, L. A.,** 19.6-288
Ince, A. N., *see* **Williams, H. P.,** 19.2-64
In Der Gand, H. R.
Snow gliding and avalanches (*with* **Zupancic, M.**), 19.3-339
India. Meteorological Dept.
Magnetic, meteorological and atmospheric electric observations made at the Government Observatories at Bombay and Alibag, [Vol. 84], 1964, Pt. 2, 19.12-28
Rainfall and floods during 1966 southwest monsoon period, 19.8-439
Industrial Research, [Beverly Shores, Indiana]
Steel mills: new rain producers, 19.11-253
Ingalls, A. L., *see* **Leith, E. N.,** 19.9-143
Ingham, B.
Some comparisons between temperatures from moorland stations and corresponding radiosonde temperatures, 19.9-386
Ingols, Robert S.
Mobile river monitor, 19.6-736
Ingvalson, R. D., *see* **Oster, J. D.,** 19.4-773
In'kov, B. K.
Results of the registration of the waveforms of near atmospherics [Transl. from Russ.], 19.1-358
Some characteristic features of the waveforms of distant atmospherics [Transl. from Russ.], 19.1-359
Inman, D. L., *see* **Bowen, A. J.,** 19.5-690, 19.8-741; **Koontz, W. A.,** 19.1-529
Inman, Rex L., *see* **Pearson, A. D.,** 19.12-310
Inoue, Aoi
Stratospheric sudden warmings and cosmic rays in the Antarctic (*with* **Kodama, M.**), 19.9-274
Inoue, E.
Studies of energy and gas exchange within crop canopies, Pt. 2 (*with others*), 19.9-257
Inoue, Tamio, *see* **Miyazaki, M.,** 19.11-743
Inoue, Tokujiro
Ocean wave spectra estimated from three hour pressure records obtained by FLIP, 19.1-571
On the growth of the spectrum of a wind generated sea according to a modified Miles-Phillips mechanism and its application to wave forecasting, 19.3-241
Inoue, Y.
Wave-coupling in an inhomogeneous anisotropic medium (*with* **Horowitz, S.**), 19.12-490
Institut d'Aeronomie Spatiale de Belgique, *see* **Colloque Franco-Belge sur les Problemes Meteorologiques de la Stratosphere et de la Mesosphere, Paris, March 1965,** 19.8-19
Inston, H. H.
Ray-tracing program and its application to the computation of frequency deviations in a high-frequency signal (*with* **Curtis, A. R.**), 19.5-405
Instrument Society of America, 22nd Conference, Chicago, Sept. 11-14, 1967
Proceedings, Vol. 22, 19.4-9
Intergovernmental Oceanographic Commission
Manual on international oceanographic data, 19.9-730
Radio communication requirements for oceanography, 19.8-712
IOC. Working Group on Oceanographic Data Exchange
Report of the United States Delegation to the Intergovernmental Oceanographic Commission Working Group on Oceanographic Data Exchange, 19.7-709
International Academy of Astronautics, *see* **Lunar International Laboratory (LIL) Symposium, Athens, Sept. 1965,** 19.6-30
International Antarctic Meteorological Research Centre, Melbourne
International Antarctic Meteorological Research Centre, 19.6-48
International Association for Quaternary Research, 7th Congress, Boulder, Colo., Sept. 1965
Quaternary history of the ocean basins: a Symposium, 19.6-27
International Association of Meteorology and Atmospheric Physics, *see* **International Symposium on Dynamics of Large-Scale Processes in the Atmosphere, 2nd, Moscow, June 1965,** 19.1-14; **International Symposium on Noctilucent Clouds, Tallin, 1966,** 19.7-21
International Association of Scientific Hydrology
[International Bibliography of Hydrology] Hydrologicka Bibliografie, Czechoslovakia, Vol. 19, 1965, 19.7-45
International Astronautical Congress, *see* **Lunar International Laboratory (LIL) Symposium, Athens, Sept. 1965,** 19.6-30
International Astronomical Association, *see* **Symposium on Cosmical Gas Dynamics, 5th, Nice Observatory, Sept. 1965,** 19.9-32
International Atomic Energy Agency, *see* **Joint FAO/IAEA Division of Atomic Energy in Food and Agriculture,** 19.8-407; **Symposium on Radioactive Dating and Methods of Low-Level Counting, Monaco, March 1967,** 19.10-19
International Biometeorological Congress, 4th, Rutgers Univ., New Brunswick, N. J., Aug.-Sept. 1966
Biometeorology, Vol. 3: Proceedings of the Congress, 19.6-28
International Buoy Technology Symposium, 2nd, Wash., D. C., Sept. 1967
Transactions, 19.1-18

International Civil Aviation Organization, [Montreal]
All weather operations, 19.10-49
International Colloquium on the Fine-Scale Structure, Moscow, June 1965
Atmospheric turbulence and radio wave propagation: Proceedings of the Colloquium, 19.11-37
International Commission on Polar Meteorology, *see* **Symposium on Polar Meteorology, Geneva, Sept. 1966,** 19.12-14
International Conference on Selenodesy and Lunar Topography, 2nd, Univ. of Manchester, England, May-June, 1966
Measure of the Moon: Proceedings of the ... Conference, 19.1-22
International Conference on Tropical Oceanography, Miami Beach, Fla., Nov. 1965
Proceedings, 19.8-23
International Congress on Alpine Meteorology, 9th, Brig, Switzerland, Sept. 1966
Wissenschaftliche Abhandlungen [Scientific Proceedings], 19.6-24
International Council for the Exploration of the Sea, Copenhagen
ICES Oceanographic Data Lists, No. 7, 1959, 19.8-700
ICES. 54th Meeting, Copenhagen, Oct. 1966
Proces-Verbal de la Reunion 1966, 19.2-515
ICES. 55th, Hamburg, 1967
Proces-Verbal de la Reunion, 19.8-695
International Council of Scientific Unions, Rome
Yearbook, 1968, 19.9-45
International Council of Scientific Unions. Committee on Space Research
Report on the scientific activities of Bulgarian Institutes in 1966, 19.8-44
See also **International Space Science Symposium, 6th, Mar del Plata, May 1965,** 19.6-32; **Study Conference on Global Atmospheric Research Programme (GARP), Stockholm, June - July 1967,** 19.7-16
ICSU. Committee on Space Research, 10th Plenary Meeting, London, July 1967
Canadian Committee on Space Research Report to COSPAR, 1967, 19.8-603
National Report on Space Research [in Japan], 19.8-604
Programme Spatial Francais, 19.8-605
Space activities in Bolivia, 19.8-606
Space activity in Denmark, 1966/1967, 19.8-607
Space research activities in the German Democratic Republic, 1966/67, 19.8-608
Space research activity in Italy, 19.8-609
Space research in the Federal Republic of Germany, 19.8-610
Studies of the upper atmosphere and outer space carried out in the U.S.S.R. in 1966, 19.8-611
Summary of the activities of the Brazilian Comissao Nacional de Atividades Espaciais (CNAE) during the period Jan. 1966 to June 1967, 19.8-612
United Kingdom Report on Space Research, 1966-1967, 19.8-613
United States Space Science Program, 19.8-614
ICSU. COSPAR. Working Group VI
Status report on the application of space technology to the World Weather Watch, June 1967, 19.8-37
ICSU. Scientific Committee on Antarctic Research, *see* **Symposium on Polar Meteorology, Geneva, Sept. 1966,** 19.12-14
International dictionary of geophysics, 19.4-2
International Geophysical Committee. Commissione Italiana
Italian programme during IQSY: progress report, 19.4-17
International Geophysical Year, 1957/1958
Glaciology, 19.12-22
Meteorology, 19.5-16
IGY, 1957/1958. IGY World Data Center A [for] Oceanography
Oceanographic vessels of the world, [Vol. 3, i.e.], Supplement 2, 19.2-531
International Hydrological Decade. Czechoslovak National Committee for the IHD
Hydrological data for water resources planning: Lectures 1966, Vol. 1-2, 19.11-35
International Indian Ocean Expedition
Collected Reprints, Vol. 4, 19.2-21
International Radio Consultative Committee
Back-scattering, 19.8-541
Basic prediction information for ionospheric propagation, 19.9-581
Choice of basic indices for ionospheric propagation, 19.9-582
Determination of the electrical characteristics of the surface of the Earth, 19.12-51
Estimation of sky-wave field strength and transmission loss between the approximate limits of 1.5 and 40 MHZ, 19.8-72
Estimation of tropospheric-wave transmission loss, 19.8-241
Fading of signals due to multipath transmission in the troposphere, 19.8-242
Fading of signals propagated by the ionosphere, 19.8-507
Influence of the non-ionized regions of the atmosphere on the propagation of waves: Earth-space propagation, 19.8-273
Ionosphere sounding at oblique incidence, 19.8-508
Ionospheric effects upon Earth-space radio propagation, 19.9-583
Ionospheric-scatter propagation, 19.8-509
Performance of Earth-station receiving antennae: effects of rain on radomes and of solar and cosmic noise, 19.8-619
Predictions of ionospheric field strength and propagation loss for the frequency range between 150 and 1500 kHz, 19.9-584
Propagation data required for radio-relay systems, 19.8-68
Radio noise within and above the ionosphere, 19.11-614
Radiocommunications for meteorological satellite systems, 19.8-104
Special problems of hf radiocommunication associated with the equatorial ionosphere, 19.9-585

VHF propagation by way of sporadic E and other anomalous ionization, 19.9-586
VLF propagation in and through the ionosphere, 19.9-587
International Scientific Radio Union, *see* **International Colloquium on the Fine-Scale Structure, Moscow, June 1965,** 19.11-37
ISRU, 15th, Munich, Sept. 1966
Progress in Radio Science, 1963-1966: Proceedings, **Pt. 1,** 19.9-30; **Pt. 2,** 19.9-31
International Space Science Symposium, 6th, Mar del Plata, May 1965
Space research, Vol. 6: Proceedings of the . . . Symposium, 19.6-32
International Symposium on Boundary Layers and Turbulence including Geophysical Applications, Kyoto, Japan, Sept. 1965
Boundary layers and turbulence, 19.9-27
International Symposium on Dynamics of Large-Scale Processes in the Atmosphere, 2nd, Moscow, June, 1965
Dynamics of large-scale atmospheric processes: Proceedings of the . . . Symposium, 19.1-14
International Symposium on Forest Hydrology, Pennsylvania State Univ., Aug.-Sept. 1965
Forest hydrology: Proceedings of a National Science Foundation Advanced Science Seminar, 19.5-18
International Symposium on Noctilucent Clouds, Tallin, 1966
Noctilucent clouds: Papers [of the Symposium], 19.7-21
International Symposium on Scientific Aspects of Snow and Ice Avalanches, Davos, Switzerland, April 1965
Reports and discussions, 19.3-8
International Union of Geodesy and Geophysics, *see* **International Colloquium on the Fine-Scale Structure, Moscow, June 1965,** 19.11-37
International Years of the Quiet Sun, 1964-1965
Alert messages with special reference to STRATWARMS, 19.9-407
Code for reporting rocketsonde data and standard form for meteorological rocketsonde observations, 19.9-211
Guide to International Data Exchange through the World Data Centers, 19.9-212
International Years of the Quiet Sun, 1964-1965. Japanese National Committee
IQSY data of ionospheric absorption at Akita from Jan. 1, 1964 to Dec. 31, 1965, 19.5-406
IQSY data of ionospheric drifts at Yamagawa in Japan, 19.6-486
Japanese contribution to the International Years of the Quiet Sun, 1964-1965, Vol. 2, 19.2-28
International Years of the Quiet Sun, 1964-1965. United States Committee
United States Program report [on the] International Years of the Quiet Sun, 1964-1965, 19.1-7
International Years of the Quiet Sun, 4th Assembly, London, July 1967
Air glow measurements in Tehran, 19.10-581
Final report on the United Kingdom contribution to the International Years of the Quiet Sun, 19.10-107
Final report summarizing the geophysical work relating to the IQSY carried out in Greece during the IQSY, 19.10-108
International Quiet Sun Years (IQSY) 1964/1965 [in the Federal Republic of Germany], 19.10-109
Ionospheric activities in Iran during the year 1966, 19.10-533
Italian programme during IQSY: progress report, 19.10-110
Japanese national report presented to IV IQSY Assembly July 1967, 19.10-111
National programme [in Argentina] for IQSY: report on the work done in 1964-65 [by the Argentine National Commission for the IQSY], 19.10-112
Programs for the solar maximum, 19.10-481
Report on Canadian programme for the International Years of the Quiet Sun, 19.10-113
Report on the accomplishment of the IQSY program in the U.S.S.R., 19.10-114
Rocket and balloon studies [at Ahmedabad, Thumba, and Hyderabad, India], 19.10-119
United States program report [on] International Years of the Quiet Sun 1964-65, 19.10-115
International Years of the Quiet Sun. Special Committee, *see* **International Symposium on Noctilucent Clouds, Tallin, 1966,** 19.7-21
Intribus, R.
Zum Mikroklima der Pflanzengesellschaften in der Westtatra [Microclimate of plants in the West Tatras], 19.2-318
Ioffe, Z. M.
O nekotorykh magnitogidrodinamicheskikh effektakh v kometakh [Some magnetohydrodynamic effects in comets] [and Eng. transl.], 19.12-613
Obtekanie komety solnechnym vetrom, III [Flow around comets by the solar wind, Pt. 3] [and Eng. transl.], 19.1-447
Iordanov, Dimitur L.
O diffuzii po napravleniiu vetra i nekotorykh asimptoticheskikh formulakh diffuzii v prizemnom sole atmosfery [Diffusion downwind and some asymptotic formulas for diffusion in the surface layer] [and Eng. transl.], 19.1-177
On some asymptotic formulae describing diffusion in the surface layer of the atmosphere, 19.7-272
On turbulent diffusion from a steady line source in the surface layer under unstable stratification, 19.12-189
Iorns, W. V.
Hydrologic and climatologic data collected through 1964, Salt Lake County, Utah (*with* **Mower, R. W.** and **Horr, C. A.**), 19.9-843; 1965, 19.12-29
Iowa. State Univ. of Science and Technology, Ames, *see* **Shaw, R. H.,** 19.11-430
Ipatov, V. Ia.
K voprosu o metodike izmereniia temperatury pochvy na sel'skokhoziaistvennykh poliakh

[Method of soil temperature measurements in cultivated fields], 19.5-50
Iranian Oil Operating Companies. Air Services
Annual Weather Bulletin, 1967, 19.10-102
Iredale, Harry, III, *see* **Tooma, S. G., Jr.,** 19.12-675
Irrigation and Drainage Specialty Conference, Las Vegas, Nevada, Nov. 1966
Methods for estimating evapotranspiration, 19.7-18
Irvine, William M.
Infrared optical characteristics of ice spheres, 19.1-288
Infrared optical properties of water and ice spheres (*with* **Pollack, J. B.**), 19.10-487
Monochromatic phase curves and albedos for Venus, 19.12-594
Irwin, James H.
Geology and availability of ground water on the Ute Mountain Indian Reservation, Colorado and New Mexico, 19.5-15
Isaacs, John D.
Remarks on some present and future buoy developments, 19.1-522
Isaev, A. E.
Dvukhimpul'snyi perekhod na orbitu kosmicheskoi stantsii s obespecheniem usloviia "miagkoi" vstrechi [Double impulse transition to an orbit of a cosmic station under the condition of "soft" encounter] [and Eng. transl.], 19.4-562
Isaev, S. I., *see* **Fel'dshtein, Ia. I.,** 19.10-567
Isaka, Harumi
Mouillabilite et deformation de la glace pour differentes substances glacogenes (*with* **Soulage, G.**), 19.9-488
Iselin, C. O'D.
Ocean environment [and] Ocean environments (*with others*), 19.1-19
Ishida, Ichiro
Wind tunnel and towing-tank experiments on the boundary layer over wooden Stokes-wave models, 19.10-381
See also **Manabe, D.,** 19.10-383, 384, 19.12-742
Ishida, Kyoichi
Report of upper air observations of the 7th Japanese Antarctic Research Expedition (*with* **Seino, Z.** and **Shimizu, M.**), 19.10-116
Ishida, Takao, *see* **Watanabe, O.,** 19.9-804
Ishida, Tamotsu
Rupture and vibrations of sea ice sheets, 19.11-749
Ishida, Yoshio, *see* **Kodama, M.,** 19.2-432
Ishikawa, Haruji
Experimental study of the origin of ELF atmospherics (*with* **Iwata, A.** and **Takagi, M.**), 19.11-521
Preliminary experiment of atmospheric ion measurement in the transitional region of the atmosphere (*with others*), 19.10-498
Islin, C. O'D.
Ocean environment, 19.1-19
Iso, Akio, *see* **Kamiyama, H.,** 19.3-386
Israel, Hans
Present status of atmospheric electric research (*with* **De Bruijn, P.**), 19.8-480
Spurengase und Schwebstoffe in der Luft [Trace gases and suspensions in the air], 19.1-163
Israelsson, Sven
Om den naturliga luftradioaktivitetens variation i marknaera skikt [Variation of the natural radioactivity in the air near the ground], 19.12-162
Istoshin, Iurii Vladimirovich
Morskie gidrologicheskie prognozy [Marine hydrographic forecasts] (*with* **Karakash, A. I.**) [and Eng. transl.], 19.8-191
Morskaia gidrometriia [Marine hydrometry], 19.8-2
Itagaki, Kazuhiko
Particle migration on ice surfaces, 19.11-777
Ito, Daijiro, *see* **Haseba, T.,** 19.3-269
Ito, Kimie, *see* **Nan'niti, T.,** 19.9-753
Ittner, Ernst
Ueber Messmethoden und einige Messergebnisse der natuerlichen Radioaktivitaet der Luft [Measurement methods and some results of measurement of natural radioactivity in the air], 19.1-114
Iturbe, Ignacio Rodriguez, *see* **Rodriguez Iturbe, Ignacio**
Iudin, M. I.
Dinamicheskaia meteorologiia i chislennyi kratkosrochnyi prognoz pogody [Dynamical meteorology and short range weather forecasting] [and Eng. transl.], 19.10-160
Fiziko-statisticheskoe metody prognozov pogody i vozmozhnost' ikh vnedreniia [Physical statistical methods of weather forecasting and the possibility of their implementation], 19.6-178
Ob izuchenii faktorov, obuslovlivaiushchikh nestatsionarnost' obshchei tsirkuliatsii atmosfery [Study of factors determing the non-stationary state of the general atmospheric circulation], 19.1-185
Iudovich, V. A., *see* **Van'ian, L. L.,** 19.9-641
Iurkevich, L. I., *see* **Iurkevich, M. G.,** 19.10-753
Iurkevich, M. G.
Opredelenie kolichestva nanosov, peremeshchaiushchikhsia vdol' berega [Determination of the sediments mixing along a shore] (*with* **Iurkevich, L. I.**), 19.10-753
Iurovskaia, L. I.
O polozhenii istochnikov shumovykh bur' otnositel'no opticheskikh obrazovanii na diske solntsa [Positions of noise storm sources relative to optical features on the solar disk], 19.12-576
Iurovskii, Iu. F.
Predvaritel'nye rezul'taty nabliudeniia mikrovspleskov solnechnogo radioizlucheniia na volne 10.2 cm [Preliminary results of observations of microbursts of solar emission at 10.2 cm], 19.12-570
Vliianie zemnoi atmosfery na priem radioizlucheniia solntsa v diapazone 10 cm [Influence of the terrestrial atmosphere on the reception of solar radio emission at 10 cm], 19.11-616
Iuskeselieva, L.
Laboratory investigations of waterdrops with photomultiplier (*with* **Antonov, A.**), 19.11-432

On measuring critical saturation during aqueous vapour condensation, 19.11-425

Ivanenko, A. G.
Vodnyi balans opytnykh uchastkov gornykh sklonov [Water balance of experimental sectors of mountain slopes] (*with* **Ponomareva, T. G.**), 19.11-801

Ivanov, A. P.
O koeffitsiente propuskaniia sveta rasseivaiushchimi sloiami bol'shoi tolshchiny [Coefficient of transmission of light through thick scattering layers] (*with* **Il'ich, G. K.**) [and Eng. transl.], 19.11-513
O printsipakh i metodakh provedeniia gidroopticheskikh issledovanii [Principles and methods of hydrooptical studies] [and Eng. transl.], 19.12-694

Ivanov, G. S.
Proposals of the U.S.S.R. Hydrometeorological Service on the characteristics of marine automatic weather stations, 19.7-724

Ivanov, Iu. N.
Stok vzveshennykh nanosov rek basseina S'ir-Dar'i [Runoff of suspended debris into the Syr-Dar'i River basin], 19.8-15

Ivanov, K. G.
Geomagnitnaia buria 1-2. IV 1964 g. na poverkhnosti Zemli i v khvoste magnitosfery: neustoichivost' neitral'nogo sloia [The geomagnetic storm of April 1-2, 1964, at the surface of the Earth and in the tail of the magnetosphere: instability of the neutral layer] (*with* **Mikerina, N. V.**) [and Eng. transl.], 19.8-582
O prirode vozdeistviia Tungusskogo padeniia na verkhniuiu atmosferu, geomagnitnoe pole i svechenie nochnogo neba [The nature of the effect of the fall of the Tungus comet upon the upper atmosphere, the geomagnetic field of the Earth and the luminescence of the night sky] [and Eng. transl.], 19.8-666
O znachenii obobshchennoi problemy Rimana dlia teorii vzaimodeistviia solnechnoi plazmy s geomagnitnym polem [Importance of Riemann's generalized problem in the theory of interaction of a solar plasma with the geomagnetic field] [and Eng. transl.], 19.5-526
Potok energii v solnechnom vetre [Energy stream in a solar wind] (*with* **Kovalevskii, I. V.**) [and Eng. transl.], 19.5-527
Uravnenie dlia elektrostaticheskogo polia generiruemogo v dinamo-oblasti ionosfery [Equation for the electrostatic field generated in the dynamo region of the ionosphere] (*with* **Latypova, R. Kh.**) [and Eng. transl.], 19.8-510

Ivanov, Kalcho
Srednomnogogodishna mineralizatsiia na rechnite vodi v Bulgariia [The mineralization of the river waters in Bulgaria, taken as the average of many years], 19.8-776
Vurkhu izmenenieto na khidrofatsiite na rechnite voli v Bulgariia prez periodite na pulnovodieto i malovodieto [Variations in the hydrofacies of the river waters in Bulgaria during the periods of high and low waters], 19.8-777
Zavisimost mezhdu mineralizatsiiata na vodata i khidrokarbonatnite ioni za rekite v Bulgariia [Relationship between mineralization of water and hydrocarbonate ions in Bulgarian rivers], 19.6-762

Ivanov, Konstantin Andreevich
Chtenie prognozov pogody na angliiskom iazyke [Reading English language weather forecasts], 19.7-48

Ivanov, M. M.
O nekotorykh osobennostiakh magnitnogo polia vostochnoi chasti Norvezhskogo moria [Some peculiarities of the magnetic field of the eastern Norwegian Sea] [and Eng. transl.], 19.6-528

Ivanov, R. N.
Rol'stoksova potoka v shtormovykh navodneniiakh na iuzhnom poberezh'e Severnogo moria [Role of the Stokes current in storm inundations on the southern coast of the North Sea] (*with* **Kaminskii, S. T.**), 19.5-258
Stoksovo techenie kak odna iz prichin shtormovykh navodnenii [Stokesian flow as one of the causes of storm floods], 19.4-231

Ivanov, V. B.
Kharakter poverkhnosti snezhnogo pokrova po marshrutu Mirnyi-Komsomol'skaia [Surface features of the snow cover along the Mirny-Komsomolskaya route], 19.3-325
Skorost' dvizheniia lednikovogo shchita v raionakh Mirnogo i gor Gausberg i Braun [Velocity of ice sheet movement in the area of Mirny and Gaussberg and Brown mountains] [and Eng. transl.], 19.2-588
Stroenie verkhnikh gorizontov snezhno-firnovoi tolshchi i skorost' atmosfernogo pitaniia Zapadnogo shel'fovogo lednika [Structure of the upper horizontal snow-firn layers and the rate of atmospheric feeding of the Western Ice Shelf] (*with* **Barkov, N. I.**), 19.3-309
Stroenie verkhnikh gorizontov snezhno-firnovoi tolshchi lednikovogo shchita Antarktidy na marshrute Mirnyi-Komsomol'skaia [Structure of the upper snow-firn cover layers of the Antarctic ice sheet along the Mirny-Komsomolskaya route], 19.3-310
See also **Barkov, N. I.**, 19.3-302

Ivanov, V. D., *see* **Bychkov, N. F.**, 19.10-157, 455

Ivanov, V. M.
O kosvennykh pokazateliakh dinamicheskogo i teplovogo sostoianiia vodnykh mass [Indirect indices of the dynamic and thermal condition of water masses], 19.4-660

Ivanov, V. N.
Spektry skorosti vetra pri neustoichivoi stratifikatsii v nizkochastotnom diapazone [Low frequency spectra of wind velocity during unstable stratification] (*with* **Ordanovich, A. E.**) [and Eng. transl.], 19.1-256
See also **Byzova, N. L.**, 19.9-429; **Volkovitskaia, Z. I.**, 19.4-281

Ivanov, V. V.
Metod gidravlicheskogo rascheta slozhnykh ruslovykh razvetvlenii na ETSVM [Electronic digital computer method for hydraulic

computation of complex channel branching] (*with* **Mednikova, E. S.** and **Chernin, K. E.**), 19.12-795

Ivanov-Kholodnyi, G. S.
  Opredelenie skorosti ionoobrazovaniia v sloe F2 [Determination of ion formation rate in the F2 layer] (*with* **Kolomiitsev, O. P.**) [and Eng. transl.], 19.2-362
  See also **Kazachevskaia, T. V.**, 19.1-374

Ivanova, A. A.
  Analiz sviazei raskhodov vody s urovniami pri rasprostranenii voln popuskov v prizmaticheskom rusle (chislennye eksperimenty) [Analysis of relation between discharge and stage at wave propagation of artificial discharge in prismatic channels (numerical experiments)], 19.7-847
  Calculation of the propagation of release waves on the Svir' River under winter and summer conditions and its comparison with field data (*with* **Ruppert, M. L.**) [Transl. from Russ.], 19.9-826

Ivanova, E. M.
  Estimate of the variability of ground-water flow into the rivers of the European U.S.S.R. (*with others*) [Transl. from Russ.], 19.1-593
  Raspredelenie podzemnogo stoka v reki po territorii Zapadnoi Sibiri i nekotorye osobennosti ego formirovaniia [Distribution of subsurface runoff into rivers in Western Siberia and some features of its formation], 19.2-607

Ivanova, N. S.
  O verkhnem predele soderzhaniia antiiader v kosmicheskikh luchakh [Upper limit of the amount of antinuclei in cosmic rays (*with* **Gagarin, Iu. F.** and **Kulikov, V. N.**) [and Eng. transl.], 19.11-353
  See also **Gagarin, Iu. F.**, 19.3-423

Ivanova, Z. M.
  Raschet rechnogo pritoka v Ladozhskoe ozero i stok reki Nevy [Calculation of rivers inflow into Lake Ladoga and runoff of the Neva River] (*with* **Kirillova, V. A.**), 19.8-773

Ivanova-Zubkova, N. Z.
  Razvitie metodov otsenki uslovii proizrastaniia i prognoza urozhaia krupianykh kul'tur [Development of methods of evaluating growth conditions and forecasting crops of groat], 19.4-161

Ivanovici, H.
  Urgentele medico-chirurgicale din Bucuresti in anul 1961 in corelatie cu factorii meteorologici [The 1961 medical and surgical emergencies in Bucharest correlated with the elements] (*with* **Cristea, N.**), 19.11-95
  Variatii de reactivitate la stimulii externi fizici si chimici ale microbilor mari, considerind o tulpina de stafilococi, sub raportul biorezistentei la agresori specifici din mediul biologic si corelatia cu evolutia factorilor meteorologici considerati intr-o perioada definita [Varying responses to outer physical and chemical stimuli by macro-microbes judging a staphylococci strain from the vital resistance it put against specific agressors of the biological environment and the correlation made with the evolution of the meteorological factors over a given period] (*with others*), 19.11-96

Ivanovskii, A. I.
  Iacheikovaia konvektsiia pri nalichii gorizontal'nogo gradienta temperatury [Cellular convection in presence of a horizontal temperature gradient] (*with* **Trubnikov, B. N.**), 19.3-251
  O vozmozhnosti uporiadochennoi konvektsii pri nalichii sdviga vetra i gorizontal'nykh kontrastov temperatury [Possibility of regular convection during the presence of wind shear and horizontal temperature gradients], 19.9-304
  On the relation of atmosphere stability to low-frequency elastic oscillations with the wave structure of noctilucent clouds, 19.9-559
  Provodimost' tsilindricheskikh trubok v razrezhennom gaze pri nalichii diffuzno-zerkal'nogo otrazheniia chastits ot stenok [Conductivity of cylindrical tubes in rarefied gas in the presence of diffuse/specular reflection of particles from a wall], 19.1-340

Ivanovskii, Lev Nikolevich
  Formy lednikovogo rel'efa i ikh paleogeograficheskoe znachenie na Altae [Form of glacial relief and its paleogeographic significance in Altai], 19.8-458

Iveronova, M. I.
  Role hydrologique des avalanches, 19.3-328

Iversen, I. B.
  Observations of VLF-radio noise in the ionosphere during an auroral absorption event (*with* **Olesen, O. H.** and **Ungstrup, E.**), 19.10-639

Ives, Ronald L.
  Mirages of La Encantada, 19.9-552

Ivlev, N. P., *see* **Fediushin, V. T.**, 19.10-437

Iwagaki, Yuichi
  Estimated values of bottom friction factors of some Japanese coasts (*with* **Kakinuma, T.**), 19.3-662
  Laminar damping of oscillatory waves due to bottom friction (*with* **Tsuchiya, Y.**), 19.10-764

Iwai, Akira
  Measurement of polarization, incident angle and direction of VLF emissions, Pt. 1 (*with* **Tanaka, Y.**), 19.10-640

Iwakiri, Satoshi
  Agroclimatological study of the climate during the cultivation period of rice plants, Pt. 1, 19.7-57
  On the evaporation from the soil surface in the southern part of Kyushu, 19.9-474

Iwasaki, Noboru
  Ionospheric current system produced by an external electric field in the polar cap (*with* **Nishida, A.**), 19.4-424
  See also **Nishida, A.**, 19.3-512

Iwata, Akira, *see* **Ishikawa, H.**, 19.11-521

Iwata, Shuichi, *see* **Tabata, T.**, 19.9-491

Izakov, M. N.
  Metodika izmereniia davleniia i temperatury pri meteorologicheskom raketnom zondirovanii

[Technique of pressure and temperature measurement by meteorological rocket sounding] (*with* **Kokin, G. A.** and **Perov, S. P.**), 19.9-403
O strukture neitral'noi verkhnei atmosfery [Structure of the neutral upper atmosphere], 19.9-275

Izotov, V. F.
Khod nakopleniia i taianiia snega pod pologom zabolochennykh lesov severnoi podzony taigi [Variation of snow accumulation and melting beneath the canopy of swampy forests of the northern Taiga Region], 19.7-421

Izotova, A. F.
Isparenie s Ladozhskogo ozera [Evaporation from Lake Ladoga], 19.8-406

J

Jaax, J., *see* **McNall, P. E.,** 19.11-93

Jaccard, Claude
Electrical conductivity of the surface layer of ice, 19.11-761
Stabilite des plaques de neige, 19.3-340

Jaccard, G., *see* **Chollet, R.,** 19.6-200

Jacchia, Luigi G.
Analysis of the atmospheric trajectories of 413 precisely reduced photographic meteors (*with* **Verniani, F.** and **Briggs, R. E.**), 19.11-25
Atmospheric structure and composition, 19.4-178
Diurnal and seasonal-latitudinal variations in the upper atmosphere (*with* **Slowey, J. W.**), 19.8-219, 19.9-251
Properties of the upper atmosphere determined from satellite orbits, 19.11-276
Recent results in the atmospheric region above 200 km and comparisons with CIRA 1965, 19.1-156
Study of the semiannual density variation in the upper atmosphere from 1958 to 1966, based on satellite drag analysis (*with* **Slowey, J. W.** and **Campbell, I. G.**), 19.10-186

Jacka, F.
Aurora (*with* **Paton, J.**), 19.8-542

Jackson, Donald R.
Dissipative river flow model, 19.7-797

Jackson, J. P., *see* **Ellerton, G. C., Jr.,** 19.5-95

Jackson, Kenneth A., *see* **Uhlmann, D. R.,** 19.11-375

Jackson, Ray D.
Effect of slope, aspect and albedo on potential evapotranspiration from hillslopes and catchments, 19.6-363
See also **Idso, S. B.,** 19.11-335

Jacobs, H.
Interferometric effect with semiconductors in the millimeter-wave region (*with* **Morris, G.** and **Hofer, R. C.**), 19.8-626

Jacobs, J. A.
Pi events with particular reference to conjugate point phenomena, 19.11-579
Planetary modulation of geomagnetic activity (*with* **Atkinson, G.**), 19.3-492
Some features of geomagnetic micropulsations observed during the recent quiet solar years, with particular reference to data obtained at the near conjugate stations of Great Whale River and Byrd (*with* **Wright, C. S.**), 19.12-533
27-day period of geomagnetic activity in the auroral zones and the inactive intervals during magnetically quiet days (*with* **Wright, C. S.**), 19.8-578
See also **Kitamura, T.,** 19.11-589

Jacobs, Ralph Edward
Comparison of geopotential vs. wind input for a diagnostic numerical model, 19.12-110

Jacobs, Stanley J.
Asymptotic solution of the tidal equations, 19.7-755
Wave hindcasts versus recorded waves, 19.6-744

Jacobs, Stanley S.
Physical and chemical oceanographic observations in the Southern Oceans (*with* **Amos, A. F.**), 19.8-707

Jacquard, F., *see* **Martin, J. F.,** 19.11-267

Jacquesson, Michel, *see* **Walbaum, M.,** 19.3-570

Jaeger, H.
Waldentwicklung und das Mosaik der Waldgesellschaften als Nachweis regionaler und standoertlicher Klimaunterschiede in Thueringen [Forest development and the mosaic of forest associations as indicators of regional and local climatic differences in Thuringia], 19.1-319

Jaffe, Andreas
Ueber eine Ursache fruehsommerlicher Schneefaelle in Talniederungen [Cause of early summer snowfall in valleys], 19.5-319
See also **Reiter, R.,** 19.2-142

Jaffe, Leonard D.
Scientific results of the Surveyor I lunar landing, 19.9-674

Jaffe, Louis S.
Photochemical air pollutants and their effects on men and animals, Pt. 2, 19.7-224

Jafri, S. A., *see* **Rahmatullah, M.,** 19.8-394

Jagannathan, P.
Note on climatological normals (*with others*), 19.7-448
Some aspects of hydrometeorology of Rajasthan (*with* **Raghavendra, V. K.**), 19.7-406

Jagath Kumar, V. R.
Relation between magnetic activity and spread-F at Kodaikanal (*with* **Sanyasi Raju, P. T.** and **Rao, B. Ramachandra**), 19.5-504

Jahn, Alfred
Some features of mass movement on Spitsbergen slopes, 19.5-740

Jahnke, Ludwig, *see* **Stilke, G.,** 19.1-107

Jain, B. C., *see* **Dhar, O. N.,** 19.6-396, 405

Jain, P. S., *see* **Kulshrestha, S. M.,** 19.4-78

Jain, R. K., *see* **Aggarwal, G. C.,** 19.8-179

Jalink, Antony, Jr.
Radiometric measurements of the Earth's infrared horizon from the X-15 in three spectral intervals (*with* **Davis, R. E.** and **Hinton, D. E.**), 19.11-344

Jalu, R.
Precipitations importantes sur le Hoggar le 16 juin 1965 (*with* **Damotte, P.**), 19.8-440

James, Barry R.
On Pitman efficiency of some tests of scale for the Gamma distribution, 19.7-213

James, D. G.
Small scale disturbances as observed by Tiros satellites, 19.10-407

James, Jesse C.
Radar studies of the Sun, 19.12-578
See also **Yoh, P.**, 19.1-470

James, Richard W.
Wind drift currents, 19.5-259

Jameson, G. J., *see* **Gottifredi, J. C.**, 19.10-759

Jamieson, D. G., *see* **Collinge, V. K.**, 19.7-183

Jamison, V. C.
Soil and water research on a claypan soil (*with* **Smith, D. D.** and **Thornton, J. F.**), 19.9-93

Janardhan, S.
Storm-induced sea-level changes at Saugor Island situated in north Bay of Bengal, 19.6-270

Jani, K. G., *see* **Kotadia, K. M.**, 19.10-539

Janiszewski, Feliks
Wystepowanie mgly w Warszawie [Fog occurrence in Warsaw], 19.7-382

Janovska, Ivana
Usporadane konvektivni proudy v atmosfere [Cellular convective currents in the atmosphere], 19.10-237

Janz, B.
Southern Alberta's paralyzing snowstorms in April 1967 (*with* **Treffry, E. L.**), 19.11-465

Japan. Meteorological Agency, Tokyo
Antarctic meteorological data obtained through the 7th Japanese Antarctic Research Expedition, Vol. 5, Marine meteorological data, 1965-1966, 19.8-98
Marine climatological tables of the North Pacific Ocean, 1964, 19.11-131
Results of Marine Meteorological and Oceanographical Observations, No. 36, July-Dec. 1964, 19.1-2
Results of the Japanese Expedition of Deep Sea (JEDS-8), 19.7-83

Japan. National Institute of Radiological Sciences, Chiba
Data of the third nuclear test of the People's Republic of China, 19.11-288

Japan. Oceanographic Data Center
Preliminary Data Report of CSK No. 43; 52; 55; 61; 79 and 81, 19.4-604; . . . No. 40; 42 and 72, 19.9-732

Japan. Science Council, *see* **International Years of the Quiet Sun. Japanese National Committee**, 19.2-28

Japan. Science Council. National Committee for Geodesy and Geophysics
Japanese national report presented to the 14th assembly of IAGA, IUGG, 19.5-36

Jarvis, E. C.
Analysis and interpretation of precipitation patterns (Short range forecast techniques, No. 7), 19.8-176
Use of surface streamline analysis in short range forecasting, 19.7-186

Jasewicz, Lenore B., *see* **Hoover, S. R.**, 19.6-206

Jaskowska, Anna
Effect of fog on the elements of atmospheric electricity at Swider, 19.4-392

Jastrow, Robert
Comparison of U.S./U.S.S.R. space science, 19.1-38
Cosmic evolution, 19.11-612
Planet Jupiter (*with* **Rasool, I.**), 19.8-660
Planets, 19.5-561

Jauregui O., Ernesto
Ondas del Este y los ciclones tropicales en Mexico, 19.9-789

Jaworska, Maria
Wstepne badania wspolzaleznosci pomiedzy przeplywem i zawartoscia wazniejszych jonow wod rzecznych [Initial research on relationship between discharge and content of principal ions in river water], 19.12-798

Jayaraman, R.
Symposium on Indian Ocean, 19.5-610

Jayaraman, S., *see* **Moghe, D. N.**, 19.8-177

Jean, A. Glenn
Ionospheric effects associated with the solar flares of May 23 and magnetic storm of May 25, 26, 1967 (*with* **Large, D. B.**), 19.6-487
Possible correlation between ionospheric, infrasonic, and radar data during severe thunderstorms, 19.9-588
Typical ionospheric, magnetic, and infrasonic disturbances observed during principal geomagnetic storms, 19.9-589

Jefferies, Charmian, *see* **Miller, F. R.**, 19.4-606

Jefferies, J. T.
Solar Observatory of the University of Hawaii, 19.6-610
See also **Curtis, G. W.**, 19.5-602

Jelesnianski, Chester P.
Numerical computations of storm surges with bottom stress, 19.4-232

Jelgersma, S.
Sea-level changes during the last 10,000 years, 19.5-641

Jelley, J. V.
Radio pulses from extensive air showers (*with others*), 19.2-430

Jelly, Doris H.
Apparent poleward motion of onsets of auroral absorption events, 19.5-407
Changes in Van Allen radiation associated with polar substorms (*with* **Brice, N.**), 19.4-554

Jelly, K. C. P.
Incidence of ice in the approaches to North America during the decade 1956-1965 (*with* **Marshall, N. B.**), 19.4-705

Jeng, Raymond I.
Stochastic properties of lake outflows (*with* **Yevdjevich, V. M.**), 19.5-749

Jenkins, D. C.
Experimental method for studying the high speed impact of a liquid drop on a liquid surface, 19.8-415

Jenkins, G.
Selection for frost resistance in winter cereals, 19.9-98
Jennings, D. L.
Cultural and varietal factors which influence hardiness in raspberries (*with* **Cormack, M. R.**), 19.9-104
Jennison, R. C.
Some penetration and charge-detection techniques, 19.4-579
Jensen, C. Kolderup, *see* **Bjelland, S.,** 19.4-116
Jensen, Delos C., *see* **Fischer, H. J. E.,** 19.11-680
Jensen, Max C.
Growth chamber studies of evapotranspiration by red kidney beans, 19.11-429
Jerlov, N. G.
Aspects of light measurement in the sea, 19.2-535
Jespersen, James L.
Topside spread-F and satellite radio scintillations, 19.8-511
VLF propagation over distances between 200 and 1500 km (*with* **Kamas, G.** and **Morgan, A. H.**), 19.12-561
Jessen, Otto
Swell in the Atlantic and on the West Coast of Africa [Transl. from German], 19.7-741
Jewitt, T. N.
Soils of arid lands, 19.11-84
Jhawar, D. S.
Point-discharge currents through small trees in artificial fields (*with* **Chalmers, J. A.**), 19.2-332
Relation of point-discharge current to other parameters, 19.7-484
Jimenez, Jaime, *see* **Gall, R.,** 19.7-571
Jiracek, George R.
Radio sounding of Antarctic ice, 19.10-769
Jiricek, Frantisek
First results of whistler observations in Bulgaria (*with* **Triska, P.** and **Vasileva, S.**), 19.1-360
Results of observing whistlers in the 2nd Czechoslovak Expedition to the Antarctic (*with* **Praus, O.**), 19.10-506
Jiusto, James E.
Snow crystal development in supercooled clouds, 19.11-438
See also **Pilie, R. J.,** 19.2-125
Joachim, Miroslav
Effet d'hysteresis ionospherique, 19.3-384
Jobert, Georges
Sur un programme de selenophysique pour un Laboratoire Lunaire International, 19.6-30
Jochimsen, Maren
Ist die groese des flechtenthallus wirklich ein brauchbarer Masstab zur Datierung von glazialmorphologischen relikten [Is the size of the lichen thallus really a useful measure for dating glacial morphological relics?], 19.5-732
Jockers, Klaus
On the stability of the solar wind, 19.10-633
Joerg, O.
Experimental study of cold inflow into chimneys (*with* **Scorer, R. S.**), 19.5-170
Joergensen, T.
Interpretation of auroral hiss measured on OGO 2 and at Byrd Station in terms of incoherent Cerenkov radiation, 19.7-573
Jogulu, C.
Effect of sunspot activity on F-region drift speed at Waltair (*with* **Rao, B. R.**), 19.11-539
Johler, J. Ralph
Loran-D phase corrections over inhomogeneous, irregular terrain (*with* **Berry, L. A.**), 19.8-73
On the theoretical instability of the phase of LF and VLF terrestrial ionospheric waves, 19.6-488
Theory of propagation of low frequency terrestrial radio waves: mathematical techniques for the interpretation of D-region propagation studies, 19.6-489
Johns, David J.
Wind induced ovalling oscillations of circular cylindrical shell structures such as chimneys (*with* **Allwood, R. J.**), 19.12-292
See also **Symposium on Wind Effects on Buildings and Structures, 3rd, Loughborough, Eng., April 1968,** 19.11-36; **Taylor, P. W.,** 19.12-302
Johns, Paul
Canadian Weather Service Forecasting System, 19.9-60
Johns Hopkins Univ., Baltimore. Center for Research in Scientific Communication
Dissemination of scientific information, informal interaction, and the impact of information associated with the 48th Annual Meeting of the American Geophysical Union, 19.4-21
Johns Hopkins Univ. Dept. of Mechanics, *see* **Martin, S.,** 19.12-173
Johns Hopkins Univ. Lab. of Astrophysics and Physical Meteorology, Baltimore, Md., *see* **Zander, R.,** 19.3-556, 558
Johnson, A. I.
Groundwater, 19.4-759
Specific yield: compilation of specific yields for various materials, 19.3-713
Johnson, A. J.
Role of physical oceanography in the design of ships and other marine structures, 19.7-710
Johnson, Donald R.
Role of terrestrial radiation in the generation of zonal and eddy available potential energy, 19.6-255
See also **Anthes, R. A.,** 19.9-331; **Dutton, J. A.,** 19.1-171
Johnson, E. R.
Further spectral observations of grenade glow clouds in the lower thermosphere (*with* **Low, C. H.**), 19.1-64
Radiant output of grenade glow clouds in the lower thermosphere (*with others*), 19.7-239
Johnson, Francis S.
Atmosphere of Venus: a conference review, 19.12-595
Notes on the lunar magnetosphere (*with* **Midgley, J. E.**), 19.9-679
Johnson, Fred M.
Interstellar matter, 19.8-633
Johnson, G. Leonard
Oceanographic cruise summary, geophysical

investigations in the Northern Labrador Sea, 19.12-674
Johnson, H., *see* **Thein, M.,** 19.9-301
Johnson, H. D.
Climatic effects on physiology and productivity of cattle, 19.7-65
Johnson, H. Kevin, *see* **Clark, A., Jr.,** 19.7-687
Johnson, James N.
Steady profile of a finite-amplitude kinematic wave on a glacier, 19.7-771
Johnson, Keith W.
Temperature and height variability in the middle and upper stratosphere during 1964-1966 as determined from constant pressure charts (*with* **Gelman, M. E.**), 19.10-309
See also **Deland, R. J.,** 19.6-259
Johnson, Lane R.
Array measurements of P velocities in the upper mantle, 19.10-601
Johnson, M. E., *see* **Gierhart, G. D.,** 19.11-101
Johnson, Noye M., *see* **Juang, F. H. T.,** 19.2-288
Johnson, O.
Micrometeorology at Suffield Experimental Station, Ralston, Alberta (*with* **Walker, E. R.** and **McCallum, J. A.**), 19.1-139
Johnson, P. L., *see* **Likens, G. E.,** 19.6-747
Johnson, R. G.
Coordinated satellite, ground-based and aircraft-based measurements on auroras (*with* **Meyerott, R. E.** and **Evans, J. E.**), 19.2-399
See also **Sharp, R. D.,** 19.7-554; 19.10-570
Johnson, V. L.
Present needs, capabilities, and future prospects in rocket technology for space research (*with* **Davis, B. W.**), 19.10-645
Johnson, Warren B., Jr.
Compact, portable, temperature recorder, 19.5-126
Why not a "triptosphere"? 19.6-225
See also **Lenschow, D. H.,** 19.3-68
Johnston, T. W., *see* **Kasha, M. A.,** 19.1-90
Joint FAO/IAEA Division of Atomic Energy in Food and Agriculture
Co-ordinated research programme on the application of radiation techniques in studies of water-use efficiency, 19.8-407
Joint Panel on Oceanographic Tables and Standards, Berne, Oct. 1967
Third Report of the Joint Panel, 19.10-730
Joint Satellite Studies Group
Observations of total electron content over Europe, January 1965, 19.10-534
Jokipii, J. R.
Correlation of $>$ 30-kev electron pulses and magnetic fields in the magnetosheath and beyond, 19.7-590
Diurnal intensity variation of low-energy electrons observed near the polar cap (*with others*), 19.1-419
Energy changes of cosmic rays in the solar system (*with* **Parker, E. N.**), 19.1-420
Implications of the small observed anisotropy of 7.5- to 45-Mev cosmic rays (*with* **Parker, E. N.**), 19.10-590
Jones, A. Vallance
Auroral observations from west central Canada, 19.1-397
See also **Montbriand, L. E.,** 19.5-437
Jones, B. B.
XUV and soft X-ray spectra of the Sun (*with* **Freeman, F. F.** and **Wilson, R.**), 19.12-652
Jones, Benjamin L.
Effects of agricultural conservation practices on the hydrology of Corey Creek basin, Pennsylvania, 1954-1960, 19.6-737
Jones, D. E., *see* **Ballif, J. R.,** 19.5-500
Jones, D. Llanwyn
Analysis of artificial fading records (*with* **Maude, A. D.**), 19.12-491
Atmospherics, 19.10-507
Shock wave from a lightning discharge (*with* **Goyer, G. G.** and **Plooster, M. N.**), 19.10-502
Jones, D. M. A.
Evaluation of the maser-equipped radar set AN/MPS-34 and area precipitation measurement indicator (*with others*), 19.6-108
Raindrop spectra for seeded and unseeded showers in Arizona (*with* **Stout, G. E.** and **Mueller, E. A.**), 19.11-461
Jones, Edward W.
Space applications of IR instrumentation, 19.10-643
Jones, Frank E.
Cylindrical barium fluoride film electric hygrometer element for aircraft cloud physics studies, 19.10-142
Study of the storage stability of the barium fluoride film electric hygrometer element, 19.7-151
Jones, G. B.
Movement of copper, molybdenum, and selenium in soils as indicated by radioactive isotopes (*with* **Belling, G. B.**), 19.8-52
Jones, G. D., *see* **Saiedy, F.,** 19.8-621
Jones, J.
Mass distributions of meteoroids and asteroids, 19.10-689
Jones, K. L.
Abnormal increase in ionospheric electron content, 19.4-425
Distribution of atmospheric ionization in the region 15° to 30° south latitude, 19.9-590
Jones, Lawrence W.
Search for massive particles in cosmic rays (*with others*), 19.6-524
Jones, Linda Mary, *see* **Von Winkle, W. A.,** 19.4-628
Jones, Richard H.
Nonlinear model for estimating probabilities of *k* events, 19.10-86
Jones, Robert M.
Three-dimensional ray-tracing computer program, 19.6-89
Jones, S. J., *see* **Glen, J. W.,** 19.11-757
Jones, Tudor B.
Effects of solar flares on VLF radiowaves propagated over a steep incidence path (*with* **Wand, I. C.**), 19.10-535

- Ionospheric effects of solar X-ray enhancements, 19.8-512

Jones, William B.
- Numerical mapping of ionospheric plasma frequency in height, time, and geographic location (*with* **Graham, R. P.** and **Stewart, F.**), 19.6-490

Jonsson, Ivar G.
- Wave boundary layers and friction factors, 19.10-765

Jordan, C. F., *see* **Kline, J. R.,** 19.10-797

Jordan, C. L.
- Climatological features of the formation and tracks of hurricanes, 19.8-307
- On the question of mesoscale patterns in the sea surface temperature field in the tropical Atlantic, 19.5-678
- Tropical meteorology, 19.4-53

Jordan, Carole
- Relative abundance of silicon and iron in the solar corona (*with* **Pottasch, S. R.**), 19.12-647
- Relative intensities of CI lines in the solar EUV spectrum, 19.7-699

Jordan, K. A., *see* **Barwick, A. J.,** 19.7-264

Jorgensen, Donald L.
- Climatological probabilities of precipitation for the conterminous United States, 19.9-509
- Synoptic climatology of winter precipitation from 700-mb lows for intermountain areas of the west (*with* **Klein, W. H.** and **Korte, A. F.**), 19.2-284
- *See also* **Klein, W. H.,** 19.8-289

Joseph, Joachim H.
- Detection of noctilucent clouds in the twilight layer from satellites, 19.1-338
- Diurnal and solar variations of neutral hydrogen in the thermosphere, 19.3-144

Joseph, P. V.
- Case of very low latitude occurrence of the subtropical jet stream over the Indian region, 19.4-306
- Study of maximum wind surface in the easterly jet stream over India during July 1966, 19.4-307

Josephs, Melvin
- Chemistry and the environment: the solid Earth, the oceans, the atmosphere (*with* **Sanders, H.**), 19.6-25

Josephson, Julian
- Tidal comparisons in the Mekong Delta, 19.10-719

Joshi, L. U.
- Cerium-141 and cerium-144 in ground level air at Bombay (*with* **Mahadevan, T. N.**), 19.3-153

Joshi, R. K.
- Theory and design of differential thermal conductivity analyser (*with* **Saxena, S. C.**), 19.7-139

Joss, Juerg
- Zusatzgeraet zum Wetterradar fuer quantitative Messungen der Echointensitaet von Niederschlagsfeldern [Weather radar device for quantitative measurements of echo intensity of precipitation field], 19.10-148
- *See also* **Aufdermaur, A. N.,** 19.8-452

Journal of American Insurance, [Chicago]
- Tomorrow's promise: effective weather warnings, 19.6-185

Journal of Scientific and Industrial Research, [New Delhi]
- IQSY Symposium, 19.6-44
- National Union Catalogue of Scientific Serials in India, 19.11-73

Ju, Jong Ji
- Investigation on the prediction of strong winds associated with cold fronts in the Yupeh Region (Northern Honan) in spring (*with others*) [Transl. from Chinese], 19.6-169

Juang, Franz H. T.
- Cycling of chlorine through a forested watershed in New England (*with* **Johnson, N. M.**), 19.2-288

Judson, Arthur
- Snow cover and avalanches in the High Alpine Zone of Western United States, 19.12-404

Juergensen, H.
- Zweihundert Jahre "Nautical Almanac" [200 years of the "Nautical Almanac"], 19.7-28

Juillerat, R., *see* **Godard, S.,** 19.5-73

Julian, Paul R.
- Midwinter stratospheric warmings in the Southern Hemisphere [Comments by A. D. Belmont, G. W. Nicholas and W. C. Shen), 19.9-272
- On the possibility of quantitatively extending climatic records by means of dendroclimatological analysis (*with* **Fritts, H. C.**), 19.12-432

Julian, Robert W.
- Prediction of water yield in high mountain watersheds based on physiography (*with* **Yevjevich, V.** and **Morel-Seytoux, H. J.**), 19.3-352

Julka, M. L., *see* **Das, P. K.,** 19.7-276

Jumikis, A. R.
- Upward migration of soil moisture by various mechanisms upon freezing, 19.11-807

Junge, C.
- Studien zur chemischen Zusammensetzung atmosphaerischer Aerosole unter besonderer Beruecksichtigung des Gehaltes an freien Wasserstoffionen [Study of the chemical composition of atmospheric aerosols with particular attention to the number of free hydrogen ions] (*with* **Scheich, G.**), 19.7-225
- *See also* **Seiler, W.,** 19.7-163

Jury, Stanley H.
- Analog vapor-pressure/temperature function generator (*with* **Kim, Y. W.** and **Mehta, M. M.**), 19.6-307

Justus, C. G.
- Energy balance of turbulence in the upper atmosphere [Discussion by S. P. Zimmerman], 19.6-228
- *See also* **Moseley, W. B.,** 19.3-225; **Woodrum, A.,** 19.6-350

Juusela, Taneli
- Some results of field observations on the frost phenomenon on peat soil, 19.2-230

K

Kaack, K.
Emergence and seedling growth related to oxygen content and oxygen diffusion rate in different soils (*with* **Kristensen, K. J.**), 19.4-36

Kabanov, M. V.
O iarkosti mnogokratno rasseiannogo vpered sveta [Brightness of light in multiple forward scatter] (*with* **Savel'ev, B. A.**) [and Eng. transl.], 19.10-489

Kachurin, Lev Grigor'evich
Kinetics of phase transitions of water in the atmosphere (*with* **Morachevskii, V. G.**) [Transl. from Russ.], 19.2-269
O plotnosti i strukture l'da, rastushchego v potoke pereokhlazhdennogo aerozolia [Density and structure of ice forming in a supercooled aerosol flow] (*with* **Gashin, L. I.**) [and Eng. transl.], 19.9-484
See also **Gol'denberg, M. L.**, 19.8-109

Kaczorowska, Z.
Wyniki bandan w 1961 roku [Results of observations in 1961], 19.5-85

Kadaner, Iakov Solomonich, *see* **Favorskii, O. N.**, 19.7-4

Kaessaris, Nikolaus S.
Hydrologische Untersuchungen fuer die Planung eines Staudammes in Nordgriechenland [Hydrological measurements for planning a big dam in the northern part of Greece], 19.12-804

Kagan, B. A.
Model' vertikal'nogo stroeniia prilivnogo potoka v odnorodnom more pokrytom l'dom [A vertical structure model of the tidal flow in a homogeneous ice-bound sea] [and Eng. transl.], 19.3-663
O prilivnom dreife l'da [Tidal drift of ice] [and Eng. transl.], 19.4-708

Kagan, R. L.
O postroenii optimal'nykh konechnoraznostnykh i kvadraturnykh formul dlia odnorodnykh i izotropnykh sluchainykh polei [Construction of optimal finite-difference and quadrature formulas for homogeneous and isotropic random fields] [and Eng. transl.], 19.12-63

Kaganer, M. S.
Isparenie s vodnoi poverkhnosti na territorii Ukrainy i Moldavii [Evaporation from a water surface in the Ukraine and Moldavia] (*with* **Diukel', N. G.**), 19.4-315

Kaganov, M. A.
Theoretical considerations for the use of heat flow meters for heat flow measurement in soil, in snow and ice covers (*with* **Rozenshtok, Iu. L.**) [Transl. from Russ.], 19.8-115
Use of thermistors in air-humidity measurements [Transl. from Russ.], 19.8-129

Kaganskii, A. S.
Tropicheskie tsiklony Mirovogo okeana [Tropical cyclones of the World Ocean] (*with* **Filshits, V. M.**), 19.9-337
See also **Filippov, V. V.**, 19.9-157, 389

Kagawa, Howard
Kinematic interpretation of pressure and height change fields (Short range forecasting techniques, No. 9) (*with* **Lee, R.**), 19.8-166

Kagawa, N. H.
Modification to Kennington's method for predicting the time of radiation fog clearance, 19.7-180

Kahalas, Sheldon L., *see* **Murphy, B. L.**, 19.8-571

Kahan, Archie M.
Atmospheric water resources research program, 19.6-188
Bureau of Reclamation's Atmospheric Water Resources Research Program, 19.7-824
Place of government programs in weather modification, 19.8-200

Kahle, Anne B.
Global radiation emerging from a Rayleigh-scattering atmosphere of large optical thickness, 19.7-311
Spherical harmonic analyses for the spheroidal Earth, Pt. 2 (*with* **Kern, J. W.** and **Vestine, E. H.**), 19.2-444

Kahle, Donald A.
Digital airborne meteorological data collection system, 19.10-120

Kahler, S. W.
Energetic protons from the solar flare of March 24, 1966 (*with* **Primbsch, J. H.** and **Anderson, K. A.**), 19.4-532

Kahn, Marcel
Considerations preliminaires sur la repartition chronologique des avalanches de neige, 19.3-341

Kahrs, Robert F.
Aerial transmission of pathogens, 19.6-70

Kai, Keizo, *see* **Takakura, T.**, 19.3-532; 19.10-662; **Wild, J. P.**, 19.12-646

Kaifer, R. C., *see* **Hess, W. N.**, 19.4-476

Kaigorodov, M. N.
Nekotorye rezul'taty issledovaniia pollarizatsii estestvennogo sveta v more [Some results of investigation of polarization of natural light in the sea], 19.4-630

Kaiser, A. B.
Identification of a new type of mode conversion interference in VLF propagation, 19.11-102
Observations of transitions in satellite scintillation (*with* **Preddey, G. F.**), 19.6-491
See also **Smith, P. A.**, 19.4-450

Kaiser, T. R.
Radio-frequency impedance probes (*with* **Tunaley, J. K. E.**), 19.8-162
See also **Bullough, K.**, 19.10-123; **Poole, L. M. G.**, 19.1-473

Kakas, Jozsef, *see* **Hungary. Orszagos Meteorologiai Intezet**, 19.8-27

Kakinuma, Tadao, *see* **Higuchi, H.**, 19.10-714; **Iwagaki, Y.**, 19.3-662

Kakinuma, Takakiyo, *see* **Tanaka, H.**, 19.3-495; 19.9-31

Kakioka, Japan. Magnetic Observatory
Report of the Geomagnetic and Geoelectric Observations (rapid variations), 19.3-445

Kakushkin, V. N.
Agronomicheskoe vliianie lesnykh poloc v bessnezhnie zimy [The agronomic effects of forest shelter belts in snowless winters], 19.6-336
Kalaghan, P. M.
Radiometric observations of the planets Jupiter, Venus, and Mars at a wavelength of 8.6 millimeters (*with* **Wulfsberg, K. N.**), 19.1-466
Kalata, Kenneth, *see* **Iben, I., Jr.,** 19.5-447
Kalazhokov, Kh. Kh.
K teorii vysotnykh atmosfernykh frontov [On the theory of upper air fronts] [and Eng. transl.], 19.1-196
Kaiendov, A. A.
Issledovaniia v oblasti meteorologii na vostoke SSSR za 50 let [50 years' research work in meteorology in the eastern U.S.S.R] (*with* **Svinukhov, G. V.** and **Sokolov, I. F.**), 19.3-22
Kalil, F.
Optical and microwave communications: a comparison, 19.10-659
Kalinenkov, N. D.
O spektrofotometricheskikh priviazkakh k zvezdam pri nabliudeniiakh planet [Spectrophotometric referencing to stars in planetary observations], 19.12-591
Kalinin, Gennadii Pavlovich
Problemy global'noi gidrologii [World problems in hydrology], 19.11-13
See also **Bykov, V. D.,** 19.1-16
Kalkofen, W.
Deviations from LTE in stellar photospheres, 19.6-633
Kalmykova, V. V.
Agroklimaticheskoe raionirovanie territorii Dal'nego Vostoka primenitel'no k kul'ture soi [Agroclimatic zoning of the Far East territory with respect to soybean culture], 19.8-60
Issledovaniia v oblasti sel'skokhoziaistvennoi meteorologii na Dal'nem Vostoke za 50 let [Fifty years of research in the field of agricultural meteorology in the Far East] (*with* **Krasnianskaia, V. P.**), 19.6-69
K voprosu o summarnoi potrebnosti soi v teple v usloviiakh Dal'nego Vostoka [Total heat requirements of soybean under Far East conditions], 19.8-61
Kaloianova, F.
Eksperimental'noe obosnovanie predel'no dopustimoi kontsentratsii diptereksa v atmosfernom vozdukhe [Experimental substantiation of the maximum permissible concentration of dipterex in the atmosphere] (*with others*), 19.10-195
Kalugina, T. P.
O strukture polia vetra v priekvatorial'noi zone [Wind field structure near the equator] (*with* **Tuen, N. V.**), 19.9-441
Kamada, Shin Etu
Discharge in the closed river with the whole frozen surface, 19.6-796
Kamada, Tetsuo
Impedance of whip antenna in the ionosphere (*with* **Kurahashi, K.**), 19.10-536
Kamalov, B. A.
O ploshchadi oledieneniia Srednei Azii [Glaciation area of Central Asia] (*with* **Aliev, A.**), 19.12-770
O taianii l'da pod morennym pokrovom [Ice melting above a morainic surface], 19.12-773
Ob otsenke lednikovogo pitaniia i stoke s lednikov Srednei Azii [Estimation of glacial alimentation and runoff from glaciers in Central Asia], 19.4-365
Opredelenie srednei orientatsii lednikov [Determination of the average orientation of glaciers], 19.12-771
Kaman Nuclear (Div. Kaman Aircraft Corp.), Colorado Springs, Colo.
Comparison of two methods for estimating sound intensity, 19.10-509
See also **Buell, C. G.,** 19.8-373
Kamas, G., *see* **Jespersen, J. L.,** 19.12-561
Kamenetskaia, G. Kh.
O proiskhozhdenii melkomasshtabnykh neodnorodnostei, sviazannykh s elektricheskim tokom v ekvatorial'noi strue [Origin of small-scale irregularities connected with an electric current in the equatorial jet] [and Eng. transl.], 19.5-408
Kamenkovich, V. M.
K voprosu o koeffitsientakh turbulentnoi diffuzii i viazkosti pri krupnomasshtabnykh dvizheniiakh okeana i atmosfery [Coefficients of eddy diffusion and viscosity in large-scale oceanic and atmospheric motions] [and Eng. transl.], 19.11-313
Kaminer, N. S.
Ob uchete barometricheskogo effekta neitronnoi komponenty vo vremia vspyshek kosmicheskikh luchei [Barometric effect of neutron component during cosmic ray flares] [and Eng. transl.], 19.4-482
See also **Dorman, L. I.,** 19.3-443
Kaminskii, S. T., *see* **Ivanov, R. N.,** 19.5-258
Kamiyama, Hiroshi
Dependence of the relative intensities of some of the auroral lines upon the energy spectrum of precipitating electrons, 19.2-406
Effects of the atmospheric composition and the electric field on the electron temperature (*with* **Iso, A.**), 19.3-386
Height profile of the Sq current in the ionosphere, 19.4-426
Kampf, Wolfgang
Determining dust precipitation by means of transparent adhesive surfaces (*with* **Schmidt, B.**), 19.10-151
Kampos, B.
Guidance, flight mechanics and trajectory optimization, Vol. 9, General perturbations theory, 19.9-89
Kamra, A. K.
Excess point-discharge current during rapid field-changes (*with* **Varshneya, N. C.**), 19.4-393
Kamyshnikov, V. V.
K voprosu o peredache gidrometeorologicheskikh dannykh po kanalam sviazi [Transmission of

hydrometeorological data through communication channels], 19.11-172

Kan, S. I.
O vozmozhnosti ispol'zovaniia kart baricheskoi topografii AT500 dlia dolgosrochnykh ledovykh prognozov na nearkticheskikh moriakh [Possibility of using maps of 500 mb pressure topography for long range ice forecasts on non-Arctic seas] (*with others*), 19.8-186
Sovremennoe sostoianie metodov ledovykh prognozov na moriakh SSSR [Present state of the methods for ice forecasts in the seas of the U.S.S.R.] [and Eng. transl.], 19.5-706

Kanaev, L. A.
Rezul'taty nabliudenii za sostoianiem nekotorykh lednikov Uzbekistana [Results of observations of the state of some glaciers in Uzbekistan] (*with others*), 19.12-776

Kanaeva, A. D., *see* **Bauman, I. A.,** 19.2-162

Kanamori, Hiroo, *see* **Takeuchi, H.,** 19.11-26

Kananen, H., *see* **Kangas, J.,** 19.10-591; **Kokkoniemi, J.,** 19.10-592

Kandel, Robert
Contribution a l'etude des atmospheres des etoiles naines froides, Pt. 2, 19.11-685

Kane, R. P.
Comparison of spectral characteristics of long-term and short-term changes in cosmic-ray intensity, 19.2-431
Daily variation of cosmic-ray intensity during active and quiet periods of solar activity; profile and fine structure, 19.3-426
Hysteresis of cosmic-ray intensity during the recent solar cycles, 19.3-427

Kane, S. R., *see* **Arnoldy, R. L.,** 19.5-592; 19.7-564

Kanellakos, D. P.
[Discussion of] W. J. Breitling; R. A. Kupferman and G. J. Gassmann: Traveling ionospheric disturbances associated with nuclear detonations, 19.3-385
See also **Albee, P. R.,** 19.9-571

Kaneseki, Shiro
Influence of the shape and volume of small film covering on inside temperature, 19.8-346

Kanevskii, Z. M.
Klimat [Climate [of Novaya Zemlya]] (*with* **Davidovich, N. V.**), 19.12-425

Kang, Yu Chin
Climate of Yangmingshan area, 19.4-369

Kangas, J.
Fast pulsations of auroral-zone X-ray intensity, 19.10-562
On the variations of cosmic ray μ-meson intensity during rapid pressure variations and about the applicability of Duperier's model (*with* **Kananen, H.** and **Kokkoniemi, J.**), 19.10-591
See also **Kokkoniemi, J.,** 19.10-592

Kangieser, Paul C., *see* **Green, C. R.,** 19.5-229

Kannabe, Kozo
Snow pressure on poles for preventing avalanche on the Tadami-line, 19.6-422

Kantarizis, E., *see* **Whitehead, J. D.,** 19.5-138

Kao, S. K.
Generation of secondary circulation in a rotating, stratified fluid, 19.10-238
Governing equations and spectra for atmospheric motion and transports in frequency, wave-number space, 19.3-163
Large-scale dispersion of clusters of particles in the atmosphere (*with* **Al-Gain, A. A.**), 19.7-341
Relative dispersion of particles in a stratified rotating atmosphere, 19.9-305

Kao, Yu Hsie
Discussion on the formation of monsoon climates in East Asia (*with* **Kuo, C. Y.**), 19.9-28
Monsoon problem (*ed.*) [Transl. from Chinese], 19.9-28
Monsoon regions and regional climate in China, 19.9-28
Onset and termination of the rainy season in relation to the advance and retreat of the monsoons in East Asia (*with* **Hsu, S. Y.**), 19.9-28
Some problems on the monsoon of East Asia (*with others*) [Transl. from Chinese], 19.8-11
See also **Hsu, S. Y.,** 19.9-28; **Kuo, C. Y.,** 19.9-28

Kapitanova, T. P.
O turbulentnosti struinogo techeniia [Jet stream turbulence], 19.9-426

Kapitsa, A. P.
Antarctic glacial and subglacial topography, 19.6-723

Kapitsa, Piotr Leonidovich
Collected papers of P. L. Kapitza, 19.10-18

Kaplan, L. D.
Absorption of solar radiation by CO_2, 19.8-341

Kaplan, S. A.
K interpretatsii provala v spektre millimetrovogo radioizlucheniia Solntsa [Interpretation of inversion in the spectrum of solar millimeter radiation] (*with* **Tsytovich, V. N.**) [and Eng. transl.], 19.6-574
Radioizluchenie puchkov bystrykh chastits v kosmicheskikh usloviiakh [Radioemission of a stream of fast particles under cosmic conditions] (*with* **Tsytovich, V. N.**) [and Eng. transl.], 19.10-661

Kaplina, T. N.
Eksperimental'nye issledovaniia moroznoi sortirovki gruntov v SSHA [Experimental investigations of the frost sorting of soils in the U.S.A.], 19.8-350

Kaplun, V. V., *see* **Lappo, D. D.,** 19.6-688

Kapoor, R. K., *see* **Ramana Murthy, Bh. V.,** 19.6-378

Kapotov, A. A.
O rezhime vlazhnosti i vlagozapasov v pochvogruntakh zony aeratsii na vodosborakh VNIGL [Moisture and water reserves regime in the aerated zone of soils in catchments areas of the Valdai Hydrological Research Laboratory], 19.1-315

Kapustin, I. N.
Possible cause of instrumental errors for a neutron monitor (*with* **Kapustina, A. V.**) [Transl. from Russ.], 19.1-15
Visible recording of the cosmic-ray intensity by

means of a multiple-point automatic potentiometer [Transl. from Russ.], 19.1-15
Vybor mertvogo vremeni radiotrakta neitronnogo supermonitora [Selection of the dead time of the neutron supermonitor radio tract] [and Eng. transl.], 19.11-555
Kapustina, A. V., *see* **Kapustin, I. N.,** 19.1-15
Karabasheva, E. I.
Nekotorye rezul'taty sopostavleniia razlichnykh metodov izmereniia i raschetov luchistoi energii v more [Some results of the comparison of different methods for measuring and calculating radiant energy in the sea] (*with* **Ochakovskii, Iu. E.** and **Rutkovskaia, V. A.**) [and Eng. transl.], 19.12-695
Karakash, A. I.
O naivygodneishikh putiakh plavaniia sudov v okeane [The most favorable oceanic ship routes] (*with* **Abuziarov, Z. K.**), 19.7-165
See also **Istoshin, Iu. V.,** 19.8-191
Karandikar, R. V.
Interferometric measurements of λ5577 Å emission temperatures in aurora, 19.10-568
Karasev, E. K.
Investigation of the hydrodynamics and heat transfer in a channel with turbulizers on the heat transfer surface [Transl. from Russ.], 19.11-295
Karasev, I. F.
O kriteriiakh tochnosti izmereniia urovnei vody na rekakh i vodokhranilishchakh [Accuracy of measurement of water level in rivers and reservoirs] (*with* **Chizhov, A. N.**), 19.3-680
Karaushev, A. V.
Teoreticheskie oznovy primeneniia otkrytykh nanosoulovitelei [Theoretical bases for applying open alluvium collectors] (*with* **Romanovskii, V. V.**), 19.5-753
Karbaum, Hans
Ein Vergleich der ueber dem Goldberger See und in Ufernaehe ueber Land gemessenen Windgeschwindigkeiten: Wind und Windwelle [Comparison between wind velocities measured over Lake Goldberg and over land near the shore: wind and wind waves], 19.6-332
Karev, V. I., *see* **Mandel'shtam, S. L.,** 19.2-491
Karimova, G. U., *see* **Dolgin, I. M.,** 19.1-276
Karklin, V. P.
O mnogoletnikh izmeneniiakh amplitud svobodnykh i vynuzhdennykh dvizhenii poliusa Zemli [Long period amplitude variations of free and forced movements of the Earth's pole] [and Eng. transl.], 19.11-610
Polugodovye kolebaniia srednego urovnia v Atlanticheskom okeane i ikh prichiny [Semiannual oscillations of the mean sea level in the Atlantic Ocean and their causes] [and Eng. transl.], 19.7-733
Karlinski, Mariusz
Statystyczna interpretacja zaleznosci terminu niektorych pojawow fenologicznych od temperatury powietrza [Statistical interpretation of the dependence of the onset of some phenological events on air temperature] (*with* **Kedziora, A.**), 19.10-478
Karnatsevich, I. V.
Gidrologo-klimaticheskie zony Zapadnoi Sibiri i voprosy gidromelioratsii [Hydrologic and climatic zones of West Siberia and problems of reclamation], 19.11-424
Karnaushenko, N. N.
Predvaritel'nye rezul'taty issledovaniia dvizhenii melkomasshtabnykh neodnorodnostei v nizhnei ionosfere v raione beregovoi cherty chernogo moria [Preliminary results of a study of motion of small-scale inhomogeneities in the lower ionosphere in the Black Sea coastal region], 19.3-387
See also **Ryzhkov, Iu. G.,** 19.2-532
Karney, J. L.
Laser radar returns from the lower troposphere compared with vertical ozone distributions (*with others*), 19.4-77
Karpova, V. M.
O vozmozhnosti vosstanovleniia vertikal'nogo profilia temperatury po vertikal'nomu profiliu effektivnogo izlucheniia [Possibility of restoring the vertical profile of temperature from the vertical profile of effective radiation] (*with* **Kurilova, Iu. V.** and **Musaelian, Sh. A.**), 19.5-67
Karpovich, Iu. V., *see* **Volkov, Iu. A.,** 19.4-621
Karpusha, V. E.
Experience in the use of new types of wind-measuring instruments [Transl. from Russ.], 19.8-125
Kompensatsionnyi datchik atmosfernogo davleniia [Compensating atmospheric pressure measuring device], 19.9-180
Kartashov, S. N.
Mechanical properties of snow and firn, 19.3-311
Kartashov, V. F.
Ul'trafioletovod pogloshchenie v spektrakh Iupitera [Ultraviolet absorption in the spectra of Jupiter], 19.12-605
Kartha, Krishna K., *see* **Williams, J. A.,** 19.5-695
Kartsivadze, A. I.
Ob odnom sposobe fotogrammetrii oblakov [Method of cloud photogrammetry] (*with* **Makharadze, G. M.**), 19.6-382
See also **Dzhgamadze, O. S.,** 19.6-367; **Gabarashvili, T. G.,** 19.6-372
Kartvelishvili, Nikolai Archilovich
Teoriia veroiatnostnykh protsessov v gidrologii i regulirovanii rechnogo stoka [Theory of probability processes in hydrology and regulation of river flow] [and Eng. transl.], 19.9-9
Karwowski, J.
[Comments on] N. F. Kudriavtsev and E. G. Nikiforov: About the choice of effective constructions of the measurement instruments and their optimal parameters for the measurement of sea-currents in the undulating water layer [Transl. from Russ.], 19.1-534
Kasahara, Akira
Dynamical influence of large-scale topography upon the atmospheric flow patterns, 19.3-259
Effects of an ensemble of convective elements on the large-scale motions of the atmosphere (*with* **Asai, T.**), 19.3-177

Kasai, G. H., *see* **Danielsson, L. R.,** 19.4-540
Kasai, Toshiyuki, *see* **Kikuchi, K.,** 19.10-124
Kasemir, Heinz W.
- Atmospheric electricity, 19.5-377
- Measurement of atmospheric electric parameters, 19.3-71

Kasha, M. A.
- Laboratory simulation of a satellite-mounted plasma diagnostic experiment (*with* **Johnston, T. W.**), 19.1-90

Kashcheev, B. L.
- Atmospheric circulation in the meteor zone (*with* **Lysenko, I. A.**), 19.12-197
- *See also* **Lebedinets, V. N.,** 19.11-629

Kashiwagi, Mizuo, *see* **Tanaka, Y.,** 19.11-593
Kashleva, L. I., *see* **Ped', D. A.,** 19.2-114
Kashtelian, V. I.
- Uchet prirodnykh kharakteristik sploshnogo l'da pri otsenke ego prokhodimosti ledokolom [Calculation of the natural characteristics of solid ice while estimating its penetrability by an icebreaker] (*with* **Ryvlin, A. Ia.**), 19.6-701

Kas'ian, N. A.
- Kolichestvennaia otsenka prostranstvennykh sviazei srednikh mesiachnykh znachenii uprugosti vodianogo para [Quantitative evaluation of spatial relations of mean monthly values of vapor pressure] (*with* **Shkoliar, L. F.**), 19.4-309

Kassander, A. Richard, Jr., *see* **Battan, L. J.,** 19.7-201
Kassner, James L., Jr.
- Analysis of the heat and vapor propagation from the walls of the Nolan, Pollak and Gardner type condensation nucleus counters (*with* **Carstens, J. C.** and **Allen, L. B.**), 19.12-96

Kastner, J., *see* **Feige, Y.,** 19.9-295
Kastner, Sidney O.
- Oscillator strengths for resonance lines of some silicon and sulfur ions, 19.8-686

Kasymova, A. G.
- Dependence of layer E2 on height of Sun and geographic latitude (*with* **Serafimov, K.** and **Petkova, L.**), 19.5-409
- K voprosu o prirode promezhutochnykh sloev ionosfery E2, F0, F1, 5 [Nature of the E2, F0, and F1.5 intermediate ionospheric layers], 19.3-388
- *See also* **Golovtsyn, V. N.,** 19.9-579; **Kolomiets, A. R.,** 19.2-369

Katayama, K., *see* **Momiyama, M.,** 19.2-59
Katkov, V. L.
- Odno tochnoe reshenie v teorii okeanicheskikh techenii [an exact solution in the theory of ocean currents] [and Eng. transl.], 19.9-785

Kato, Juichi
- On the wave damping effect of a floating breakwater (*with others*), 19.12-743

Kato, Susumu
- Atmospheric oscillations in the ionosphere and geomagnetic variations, 19.3-389
- Electrostatic waves and ionization irregularities in the ionosphere (*with* **Hirata, Y.**), 19.9-591
- Space charge waves and ionospheric irregularities (*with* **Matsushita, S.**), 19.12-492

Kato, Tetsuo
- Hydrology and meteorology in Cambodia (*with* **Kawai, T.**), 19.7-362

Kato, Yoshio
- Cyclotron and Cerenkov mechanisms for exciting hydromagnetic radiation in the magnetoactive plasma (*with* **Higuchi, Y.**), 19.8-583
- Effect of micro-instability on the temperature anisotropy in the solar wind (*with* **Watanabe, S.**), 19.8-597
- Rocket measurements of ionospheric Sq currents (*with* **Aoyama, I.**), 19.4-427

Katsanis, E. P., *see* **Hamilton, W. C.,** 19.11-239
Katsika, A. P.
- K voprosu o pereschete osadkov izmerennykh dozhdemerom, na osadkomer v usloviiakh Kamchatskoi oblasti [Conversion of precipitation measured with a raingage of that measured with a precipitation gage in the Kamchatka region], 19.9-120

Katsnelson, J.
- Frequency of hail in Israel, 19.8-453

Katsufrakis, J.
- Ionospheric rocket sounding at Dumont d'Urville, 19.7-511

Kattawar, George W.
- Influence of particle size distribution on reflected and transmitted light from clouds (*with* **Plass, G. N.**), 19.8-328
- Radiance and polarization of multiple scattered light from haze and clouds (*with* **Plass, G. N.**), 19.12-453
- *See also* **Plass, G. N.,** 19.8-424; 19.9-372

Katzin, Martin
- Meteorological measurement system (*with others*), 19.6-140

Kauffman, P. E., *see* **Magno, P. J.,** 19.4-202
Kaufman, John W.
- NASA's 150-meter meteorological tower located at the Kennedy Space Center, Florida (*with* **Keene, L. F.**), 19.10-132

Kaufmann, Pierre
- Effect of a total solar eclipse on long path VLF transmission (*with* **Schaal, R. E.**), 19.7-707
- Experimental results from measurements performed during the Nov. 12, 1966, total solar eclipse with a 4.28-cm radio polarimeter (*with* **Matsuura, O. T.** and **Dos Santos, P. M.**), 19.6-575
- Partial solar eclipse observed at 100-cm wavelength on Nov. 12, 1966 (*with others*), 19.8-640
- Relative changes on lower ionosphere conductivity gradients during SID events (*with* **Mendes, A. M.**), 19.7-512
- Some characteristics of an S-component of solar radiation identified on November 1966 eclipse at 4.28-cm wavelength, 19.11-617
- V.L.F. propagation across the geomagnetic anomaly during S.I.D.s (*with others*), 19.2-363
- *See also* **Matsuura, O. T.,** 19.8-243

Kaula, William M.
- Geophysical implications of satellite determinations of the Earth's gravitational field, 19.11-599

Recent developments in determination of lunar gravitational field from satellite orbits, 19.12-590
Selenodesy, 19.6-587
Kaulin, N. Ia., *see* **Gavrilova, L. D.**, 19.4-333
Kaulina, M. E., *see* **Narovlianskii, G. Ia.**, 19.9-451
Kauranen, Pentti
Fission products of unusual composition in Finland (*with* **Kulmala, A.** and **Mattsson, R.**), 19.5-183
Kauth, Richard J.
Probability of clear lines of sight through a cloudy atmosphere (*with* **Penquite, J. L.**), 19.3-361
Kavanagh, Lawrence D., Jr.
[Comments on] M. P. Nakada and G. D. Mead: Diffusion of protons in the outer radiation belt, 19.3-496
Empirical evaluation of radial diffusion coefficients for electrons of 50-100 kev from L = 4 to L = 7, 19.8-584
Revised (B,L) coordinate system to allow for distention of the magnetosphere by a symmetric ring current, 19.4-533
See also **Freeman, J. W., Jr.**, 19.3-505
Kaw, P. K., *see* **Aggarwal, A. K.**, 19.5-178
Kawabata, Kin-Aki
Acceleration of plasma cloud producing geomagnetic storm and origin of flare phenomena, 19.3-525
On X-ray sources of solar flares, 19.3-526
Kawahira, Koji, *see* **Yamamoto, R.**, 19.3-218
Kawai, Hideo
Generalized potential vorticity in the ocean, 19.3-644
Kawai, Takashi, *see* **Kato, T.**, 19.7-362
Kawamura, Kiyoshi
Concentrations of nitrogen dioxide and ozone in the air at inland and seashore in Japan (*with* **Sakurai, S.**), 19.2-132
Kawanabe, Yasuji
On the vertical wind speed profiles in the lower atmosphere, 19.10-371
Waves in Osaka Bay, Pt. 2 (*with* **Nakano, M.**), 19.9-338
Kawasaki, K.
Polar solar daily geomagnetic variations on exceptionally quiet days (*with* **Akasofu, S. I.**), 19.3-467
Kawashima, Nobuki
Demodulation of amplitude modulated RF waves in a plasma at resonance, 19.8-513
Kawecki, Arnold
Statystyczna ocena parametrow rozkladow natezenia opadu w poziomym przekroju kolumn opadow przelotnych [Statistical evaluation of intensity distribution parameters in horizontal cross sections of showers measured by radar], 19.7-407
Kaykaty, Gabriel N.
Analysis of the maximum performance of a paraboloidal solar collection system for space power, 19.9-362
Kaylor, Robert, *see* **Faller, A. J.**, 19.10-370
Kays, Marvin
Rocket temperature and wind sensors for synoptic observations (*with* **Olsen, R. O.**), 19.1-82
Kazachevskaia, T. V.
Izmerenie polnoi energii korpuskuliarnogo potoka na vysotakh 200-500 km [Measurement of the total energy of corpuscular flux at 200-500 km altitude] [and Eng. transl.], 19.2-215
Sezonnaia anomaliia sloia F2 i variatsii sostava atmosfery [Seasonal anomaly of the F2 layer and variation of the composition of the atmosphere] [and Eng. transl.], 19.7-513
Sutochnye variatsii elektronnoi kontsentratsii i izmenenie temperatury ionosfery na vysotakh 160-200 km [Diurnal variations of electron concentration and temperature change of the ionosphere at heights of 160-200 km] (*with* **Ivanov-Kholodnyi, G. S.**) [and Eng. transl.], 19.1-374
Kazak, B. N., *see* **Baranskii, L. N.**, 19.11-574
Kazakova, L. L., *see* **Smirnov, I. P.**, 19.10-208
Kazakova, N. A.
Technique and basic results of the calculation of vertical air motions (from data of the NP-7 drifting station) (*with* **Matveev, L. T.**) [Transl. from Russ.], 19.11-421
Kazantsev, A. N.
Metod issledovaniia rasprostraneniia radiovoln v neodnorodnoi magnitoaktivnoi ionosfere [Method of investigating the propagation of radiowaves in nonhomogeneous magnetoactive ionosphere] (*with* **Lukin, D. S.** and **Spiridonov, Iu. G.**) [and Eng. transl.], 19.5-59
Metod rascheta refraktsii radiovoln i refraktsionnykh oshibok pri opredelenii traektorii ISZ [Method of calculating radio wave refraction and refraction errors in determining the trajectory of a satellite] (*with* **Lukin, D. S.** and **Fominykh, S. I.**) [and Eng. transl.], 19.1-160
Rezul'taty rascheta refraktsii radiovoln v gorizontal''no-neodnorodnoi troposfere i ionosfere [Results of computation of radio wave refraction in a horizontal nonuniform troposphere and ionosphere] (*with others*) [and Eng. transl.], 19.5-174
Kazeck, Melvin E.
Climate workbook, 19.9-39
Kazimirchak-Polonskaia, E. I.
Issledovanie vozmushchennogo dvizheniia meteornogo roia Leonid [Investigation of perturbed motion of the Leonid meteor stream] (*with others*) [and Eng. transl.], 19.8-665
Kazo, Bela
Uj modszer a talajpusztulas terkepezesere mesterseges esoztetes utjan [New method for mapping soil degradation by making artificial sprinkling], 19.12-819
Keating, Gerald M.
Winter helium bulge (*with* **Prior, E. J.**), 19.8-252
Keay, Colin S. L.
Radar meteor observations from opposite hemispheres, 19.5-553

Kebuladze, T. V., *see* **Dorman, L. I.,** 19.3-443
Kedziora, Andrezej, *see* **Karlinski, M.,** 19.10-478
Keeler, Charles M., *see* **Ramseier, R. O.,** 19.7-436
Keeling, Charles D.
  Concentration of atmospheric carbon dioxide at 500 and 700 millibars (*with* **Harris, T. B.** and **Wilkins, E. M.**), 19.12-142
  Simultaneous use of chemical tracers in oceanic studies, Pt. 1 (*with* **Bolin, B.**), 19.6-658; Pt. 2, 19.12-662
Keenan, C. J.
  Current observations in Cordova Bay and predictions on sewage dispersal (*with others*), 19.3-650
Keene, George T.
  Venus: uniformity of clouds, and photography, 19.7-666
Keene, Lester F., *see* **Kaufman, J. W.,** 19.10-132
Keil, Karl
  Was ist und was will die Welt-Wetter-Wacht (WWW) [What is the World Weather Watch (WWW) and what will it do?], 19.5-24
Keimatsu, Mitsuo
  Archaeo-aurora and geomagnetic secular variation in historic time (*with* **Fukushima, N.** and **Nagata, T.**), 19.11-565
Keister, M. P., *see* **Fried, D. L.,** 19.3-363
Keith, J. E.
  Cosmic-ray neutron monitor yield functions, gross transformation, and nucleonic component mean free paths (*with others*), 19.4-483
Kekukh, A. M.
  Agroklimaticheskie usloviia vlagoobespechennosti ozimykh pri poseve v lesostepnoi i stepnoi zonakh Ukrainy [Agroclimatic conditions of moisture supply of winter crops at sowing [time] in the forest steppe and steppe zones of the Ukraine] (*with* **Sirotenko, O. D.**), 19.1-599
Kel'berg, V. P.
  Vliianie atmosferno-fizicheskikh uslovii na vysotu podniatiia radiozondovykh obolochek [Influence of atmospheric physical conditions on ascension heights of radiosonde balloons], 19.1-3
Kelenffy, Szilveszter
  Kozlekedes okozta legszennyezodes vizsgalatanak nehany eredmenye [Some results of the investigation of air pollution caused by road traffic] (*with* **Morik, J.**), 19.1-140
  Varosi levego szennyezodesenek vertikalis terjedese [Vertical propagation of urban air pollution] (*with* **Morik, J.** and **Varkonyi, T.**), 19.8-230
  See also **Morik, J.,** 19.12-148
Keller, George E.
  Use of ionic mobilities for measurements in the lower ionosphere, 19.10-537
Keller, Hans M.
  Sources of streamflow in a small high country catchment in Canterbury, New Zealand, 19.5-757
Keller, Joseph B.
  Some recent developments in diffraction and scattering theory, 19.9-31
  Velocity and attenuation of waves in a random medium, 19.5-60
  See also **Vezzetti, D. J.,** 19.7-86
Keller, M., *see* **Hartley, R. P.,** 19.7-793
Keller, Reiner
  Vody i vodnyi balans sushi: vvedenie v gidrogeografiiu [Water and water balance of dry land: introduction to hydrogeography] [Transl. from German], 19.5-10
Kelley, J. J.
  Carbon dioxide in the seawater under the Arctic ice, 19.12-705
  Vertical gradient of net oxident near the ground surface at Barrow, Alaska (*with* **McTaggart-Cowan, J. D.**), 19.10-191
Kelliher, J. J., *see* **Hagen, J. P.,** 19.9-31
Kelly, J. G., Jr., *see* **DiPippo, R.,** 19.3-629
Kelso, John M.
  Ray tracing in the ionosphere, 19.5-410
Kemmerikh, A. O.
  Karta godovogo stoka rek Alaiskogo i Turkestanskogo khrebtov [Annual stream flow chart of the Alai and Turkestan Ranges], 19.7-828
Kemper, W. D., *see* **Corey, A. T.,** 19.8-48
Kendall, Kenneth R., *see* **Broadfoot, A. L.,** 19.5-440
Kendall, P. C.
  Ion drag with electrodynamic drift: a computer experiment for the F2 layer (*with* **Windle, D. W.**), 19.12-493
  See also **Akasofu, S. I.,** 19.2-391; **Baxter, R. G.,** 19.12-465; **Yoshida, S.,** 19.10-598
Keneshea, T. J.
  Computed electron, ion, and neutral density profiles for the solar eclipse of Nov. 12, 1966 (*with* **Fowler, R. J.**), 19.3-390
  See also **Swider, W., Jr.,** 19.8-533
Kennedy, J. M.
  Microwave radiometric sensing of the physical parameters of snow (*with* **Sakamoto, R. T.** and **Edgerton, A. T.**), 19.6-142
Kennedy, James S.
  Circulation features of the stratosphere derived from radiometric temperature measurements with the TIROS VII satellite (*with* **Nordberg, W.**), 19.2-164
  See also **Allison, L. J.,** 19.5-636
Kennedy, William E.
  Great Lakes vessel observation program, 1967, 19.12-73
Kenney, J. F., *see* **Knaflich, H. B.,** 19.8-586
Kennon, F. W.
  Hydrologic effects of small reservoirs in Sandstone Creek watershed, Beckham and Roger Mills counties, Western Oklahoma, 19.6-779
Kent, G. S.
  Movements of ionospheric irregularities and atmospheric winds (*with* **Wright, R. W. H.**), 19.12-494
Kepple, P., *see* **Theimer, O.,** 19.6-562
Kern, John W.
  Magnetosphere, 19.5-468
  Magnetosphere and radiation belts, 19.11-588
  See also **Kahle, A. B.,** 19.2-444

Kerr, Arnold D.
Experimental study of balloon material failures, 19.5-96

Kerr, James P.
Distribution of global radiation in Wisconsin Dec. 1966 through June 1967 (*with* **Rosendal, H. E.**), 19.9-363
Mesoscale sampling of global radiation analysis of data from Wisconsin (*with* **Thurtell, G. W.** and **Tanner, C. B.**), 19.9-364

Kershner, Alan M.
Test correlates of Air Force weather forecaster proficiency, 19.4-156

Kertesz, Magda (Saringer)
Budapest levegojenek 3,4-benzpiren tartalma [Content of 3,4-benzpirene in the air of Budapest] (*with* **Morlin, Z.**), 19.7-226
See also **Morik, J.**, 19.12-148

Kertz, W.
Statistische Frequenzanalyse erdmagnetischer Variationen [Statistical frequency analysis of geomagnetic variations], 19.2-454

Kesava Rao, P. S.
Studies on drifts in the E region at Waltair (*with* **Rao, B. R.**), 19.4-428

Kesel, Philip G.
Environmental support for naval operations: a profile of Fleet Numerical Weather Facility, Monterey, California, 19.9-723

Keshava Murty, R. N.
On the maintenance of the mean zonal motion in the Indian summer monsoon, 19.5-197
See also **Miller, F. R.**, 19.12-5

Kessler, Edwin
On the continuity of water substance, 19.1-13
See also **Lee, J. T.**, 19.9-499

Kestner, A. P., *see* **Volkov, Iu. A.**, 19.4-621

Ketcham, W. M.
Preferred orientation in the growth of ice from the melt (*with* **Hobbs, P. V.**), 19.12-329

Kevi, L., *see* **Ellis, W. R.**, 19.9-868

Keys, W. Scott
Application of radiation logs to groundwater hydrology, 19.9-844

Khadzhiev, M. A., *see* **Sulakvelidze, G. K.**, 19.10-183; **Lavertnev, M. P.**, 19.9-521

Khairullin, K. Sh.
Issledovanie vliianiia solnechnoi radiatsii na termicheskii rezhim poverkhnosti sten v kholodnoe polugodie [Investigation of the effect of solar radiation on the heat regime of wall surfaces during the cold half year], 19.12-227

Khalkechev, V. A., *see* **Tebuev, D. I.**, 19.10-444

Khamarin, V. I., *see* **Boldyrev, V. G.**, 19.4-259

Khanevskaia, I. V.
Temperaturnyi rezhim svobodnoi atmosfery nad severnym polushariem [Temperature regime of the free atmosphere over the Northern Hemisphere], 19.10-6
Zonal'naia neodnorodnost' polia temperatury v troposfere severnogo polushariia, obuslovlennaia vliianiem kontinentov i okeanov [Zonal inhomogeneity of the temperature field of the troposphere in the Northern Hemisphere caused by the influence of continents and oceans], 19.1-225

Khansuvarov, K. I.
Reference piston barometer [Transl. from Russ.], 19.8-123

Kharchenko, A. M.
Techeniia i vodnye massivy Vostochno-Kitaiskogo moria [Currents and water masses of the East-China Sea] [and Eng. transl.], 19.12-713

Kharchenko, S. I.
Gidrometeorologicheskii metod opredeleniia polivnogo rezhima i rascheta srokov poliva [Hydrometeorological method for determining the irrigation regime and computing the times of irrigation], 19.9-526
Osnovy metoda rascheta vodnogo balansa i nedostatka vodopotrebleniia sel'skokhoziaistvennykh polei [Principles of methods for calculating the water balance and the deficiency of water consumption by agricultural fields], 19.9-870
Procedure for the computation of runoff from the hydrophysical characteristics of the ground and precipitation under the conditions of a zone of insufficient moisture [Transl. from Russ.], 19.9-230

Kharchilava, D. F.
O sviazi mezhdu vertikal'nymi skorostiami vozdukha i ozonom v atmosfere [Relation between vertical air velocities and ozone in the atmosphere], 19.4-196

Kharitonov, A. V., *see* **Matiagin, V. S.**, 19.6-608

Kharitonova, G. A.
Korotkii metod opredeleniia koeffitsientov prozrachnosti zemnoi atmosfery [Rapid method for the determination of the transparency coefficients of the Earth's atmosphere] [and Eng. transl.], 19.9-376

Kharshan, A. A.
Dolgosrochnye prognozy osenne-zimnego stoka gornykh rek Sibiri [Long range forecasts of fall-winter flow of Siberian mountain rivers] (*with* **Shelepova, G. S.**), 19.3-112
Metodika dolgosrochnykh prognozov stoka r. Eniseia v stvorakh Saianskoi i Krasnoiarskoi GES za period polovod'ia [Method of long range forecasts of the runoff of the Yenisei River at the gaging points of the Sayan and Krasnoiarsk Hydroelectric Stations during flood water periods], 19.9-234

Khasbardar, B. V., *see* **Salaruddin, M.**, 19.5-134

Khaskina, M. I.
Prognoz gidrografa vesennego pritoka v vodokhranilishche Kievskoi GES [Hydrograph forecast of the spring influx into the reservoir of Kiev Hydroelectric Station], 19.4-155

Khastgir, S. R.
Double-peak distribution of the amplitude of the radio wave return from the sporadic E layer (*with* **Ganguly, S.** and **Samanta, S.**), 19.10-538

Khelkhovski, V., *see* **Chelchowski, W.**, 19.3-204

Khemani, L. T.
Nature of hail embryos: a suggestion (*with* **Ramana Murty, Bh. V.**), 19.3-349

Khetsuriani, Ts. S.
Abastumani Astrophysical Observatory of the Academy of Sciences of the Georgian SSR, 19.2-479

Khlopov, V. V.
Sezonnoe izmenenie vertikal'noi ustoichivosti v nekotorykh raionakh Severnoi Atlantiki [Seasonal variations of vertical stability in several regions of the North Atlantic], 19.11-729

Khocholava, G. M.
Ionosfernye vozmushcheniia na srednikh shirotakh [Ionospheric disturbances in middle latitudes] (*with* **Gachechiladze, R. G.**) [and Eng. transl.], 19.7-514

Khodakov, V. G.
Raspredelenie, svoistva i gidrologicheskaia rol' snezhnogo pokrova severnoi chasti Ural'skikh gor [Distribution, properties and hydrological role of snow cover in the northern part of the Ural Mountains], 19.5-324

Khodkin, S. S.
Priblizhennyi metod rascheta vodo- i soleobmena mezhdu raionami ust'evogo vzmor'ia (na primere ust'ia Amu-Dar'i) [Approximate method of computing water and salt exchange between different regions of a marine estuarine area as illustrated by the Amu Daria estuary], 19.9-797
Raschet vodo- i soleobmena mezhdu morem i vodoemami del'ty na primere ust'ia Amu-Dar'i [Computation of water and salt exchange between the sea and bodies of water in a delta, as illustrated by the Amu Daria estuary], 19.9-798

Khokhlov, A. V.
Ustroistvo vizual'noi indikatsii tsifrovoi informatsii [Equipment for indicating digital data visually], 19.6-738

Khokhlov, M. Z.
Ob interpretatsii dannykh po uglovomu raspredeleniiu ionov solnechnogo vetra poluchennykh na "Pionere-VI" [Interpretation of data on the basis of the angular distribution of solar wind obtained on "Pioneer VI"] [and Eng. transl.], 19.7-626

Khokhlov, R. V.
Nonlinear optics and frequency conversion of coherent radiation, 19.9-31

Khomiakov, V. N.
K voprosu o vliianii uslovii pogody na effektivnost' mineral'nykh podkormok ozimykh (rzhi, pshenitsy) [Influence of weather conditions on the effectiveness of top dressing of winter crops (rye, wheat)], 19.4-37
O vliianii agrometeorologicheskikh uslovii na effektivnost' primeneniia molibdena s tsel'iu povysheniia urozhaia semian gorokha [Effect of agrometeorological conditions on the effectiveness of using molybdenum to increase a pea crop], 19.4-38

Khomitskii, V. V., *see* **Tsaitts, E. S.,** 19.6-789

Khonin, R. V.
O gidrologicheskom rezhim Berel'skikh Lednikov [Hydrological regime of the Berel Glaciers], 19.6-720
Sovremennoe oledenenie v basseine p. Belaia Berel' [Recent glaciation in the basin of the Belaya Berel River], 19.6-716

Khorguani, V. G.
O gidrodinamicheskom vzaimodeistvii dvukh osedaiushchikh sfericheskikh chastits v viazkoi srede [Hydrodynamic interaction of two spherical particles precipitating in a viscous medium], 19.12-190

Khrabrov, Iurii Borisovich, *see* **Burlutskii, R. F.,** 19.2-2

Khrgian, A. Kh.
O moshchnosti sloistoobraznykh oblakov [Thickness of stratiform clouds], 19.12-346

Khristov, Peniu Iv.
Denonoshten khod na valezhite v Sofiia (ezhechasni stoinosti) [Diurnal variations of precipitation in Sofia (hourly values)], 19.10-420

Khrol, V. P.
Calculation of ice volume and hummocks using Baffin Sea as example [Transl. from Russ.], 19.7-759
O prichine sezonnykh izmenenii v rasprostranenii l'dov Severnoi Atlantiki [Cause of seasonal variations in the spread of ice in the North Atlantic], 19.6-697

Khromov, S. P.
Fel evszazados szovjet meteorologia [50 years of Soviet meteorology], 19.8-47

Khromova, T. P.
Opredelenie soderzhaniia nekotorykh elementov na solntse po spektram solnechnykh piaten, V [Determination of the abundance of several elements in the Sun using the sunspot spectra, Pt. 5], 19.10-695
See also **Dubov, E. E.,** 19.7-701

Khudiakova, A. I., *see* **Krasnianskaia, V. P.,** 19.8-50

Khundzhua, G. G., *see* **Pyrkin, Iu. G.,** 19.12-723; **Voskanian, A. G.,** 19.5-227

Khvan, A. P.
Volny v taifunakh (obzor) [Waves in typhoons (review)], 19.2-570

Khvostikov, I. A.
Processes contributing to the increase of the concentration of the molecule H_2O in the mesosphere (*with* **Kravchenko, I. M.**), 19.9-276
See also **Kravchenko, I. M.,** 19.5-367

Kibinski, Jacek M.
Wyznaczenie elementow geometrycznych toru rakiety metoda fotograficzna [Determining geometrical elements of rocket trajectory by photographic method], 19.6-130

Kidokoro, Toshiko, *see* **Yoshida, K.,** 19.9-458

Kiepenheuer, K. O.
Morphology of an active region on the Sun, 19.12-629

Kikuchi, Katsuhiro
Stereoscopic analysis of photographs taken by

NIMBUS II APT system (*with* **Kasai, T.**), 19.10-124

Kilczer, Gyula
  Entwicklung des erdmagnetischen Potentials durch eine Multipolreihe [Deduction of the geomagnetic potential in terms of a series of multipoles line], 19.6-531

Kilfoyle, B. P.
  Antarctic sighting of noctilucent and nacreous clouds, 19.11-515

Kim, Do Jong
  Die dreidimensionale Verteilung der Strukturboeden auf Island in ihrer klimatischen Abhaengigkeit [The three dimensional distribution of patterned ground on Iceland and its climatic dependence], 19.11-27

Kim, J. W., *see* **Lindzen, R. S.,** 19.8-371

Kim, V. F.
  Nekotorye rezul'taty chislennogo eksperimenta po kvazigeostroficheskoi modeli prognoza geopotentsiala na polusfere [Results of a numerical experiment with a quasi-geostrophic model of a geopotential forecast on the hemisphere] [and Eng. transl.], 19.12-118

Kim, Young W., *see* **Jury, S. H.,** 19.6-307

Kimball, Marston H.
  Plant climate mapping: the key to conservation of resources (*with* **Gilbert, D. E.**), 19.7-460

Kimina, S. N., *see* **Skvortsova, N. N.,** 19.10-196

Kimura, Iwane
  Doppler shift in an inhomogeneous anisotropic medium (*with* **Nishina, R.**), 19.11-282
  Hydromagnetic wave instabilities in a nonneutral plasma-beam system (*with* **Matsumoto, H.**), 19.8-585
  On observations and theories of the VLF emissions, 19.1-453
  Rocket observation of the nighttime ionosphere using the VLF Doppler technique (*with* **Nishina, R.** and **Maeda, K.**), 19.8-514
  Triggering of VLF magnetospheric noise by a low-power (~ 100 watts) transmitter, 19.7-610
  VLF Doppler experiment for observation of the ionosphere by means of rocket, 19.11-540

Kimura, R., *see* **Syono, S.,** 19.3-275; 19.8-417

King, G. A. M.
  Ionospheric observations of auroral activity, 19.3-407

King, Henry C.
  World of the Moon, 19.1-25

King, J. W.
  Airglow observations and the decay of the ionospheric equatorial anomaly, 19.7-561
  Behaviour of the topside ionosphere during storm conditions (*with others*), 19.2-364
  Effect of atmospheric winds on the height of the F2-layer peak at middle and high latitudes (*with* **Kohl, H.** and **Pratt, R.**), 19.4-429
  Energy loss factor for electron collisions in the D-region, 19.7-515
  Explanation of phenomena occurring in the high-latitude ionosphere at certain Universal Times (*with others*), 19.6-492
  Integrated electron content in the equatorial ionosphere (*with others*), 19.2-365
  Long-lasting storm effects in the ionospheric D-region (*with* **Fooks, J. L.**), 19.7-516
  Observations of proton gyro-effects in the topside ionosphere (*with* **Preece, D. M.**), 19.2-366
  Observations of spread ionization in the topside of the ionosphere (*with* **Legg, A. J.** and **Smith, P. A.**), 19.2-367
  Observations of the topside ionosphere during three solar eclipses (*with* **Legg, A. J.** and **Reed, K. C.**), 19.3-391
  Relationship between 10 cm solar flux and electron concentration in the topside ionosphere (*with* **Reed, K. C.**), 19.7-517
  Solar-terrestrial physics (*with* **Newman, W. S.**) (*eds.*), 19.8-20
  Sporadic-E and the F2-layer at middle latitudes (*with* **Pratt, R.** and **Newman, W. S.**), 19.7-518
  Time of the sunrise effect in the topside ionosphere in summer (*with* **Eccles, D.** and **Reed, K. C.**), 19.7-519
  Topside sounder studies of corpuscular radiation effects on the ionosphere during quiet and disturbed conditions (*with others*), 19.2-368
  See also **Legg, A. J.,** 19.4-432

King, Jack
  Instrumentation and the weather program, 19.12-105

King, Joseph H.
  Models of the trapped radiation environment, Vol. 4, Low energy protons, 19.1-443

King, K. M.
  Potential evapotranspiration at Guelph (*with* **De-Heer-Amissah, A.**), 19.1-280
  Program and facilities for micrometeorology research, 19.2-314

King, R. J.
  Crossed-dipole method of measuring wave tilt, 19.8-70

King, W. B.
  Direct approach to the evaluation of the variance of the wave aberration, 19.8-157

King-Hele, D. G.
  Air density at heights near 190 km in 1966-67, from the orbit of Secor 6 (*with* **Kingston, J.**), 19.10-187
  Further determinations of upper-atmosphere rotational speed from analysis of satellite orbits (*with* **Scott, D. W.**), 19.4-190; 19.8-253
  Odd zonal harmonics in the geopotential, determined from fourteen well-distributed satellite orbits (*with* **Cook, G. E.** and **Scott, D. W.**), 19.11-600
  Orbits determined at the Royal Aircraft Establishment from visual observations, 19.5-113
  Review of [satellite] tracking methods, 19.3-534
  Rotational speed of the upper atmosphere: an increase with height above 200 km (*with* **Scott, D. W.**), 19.2-254
  Semi-annual variation in upper atmosphere density, 19.9-277
  Upper atmosphere density in 1966-67: the dominance of a semi-annual variation at heights near 200 km, 19.5-162
  Variations in air density at heights near 150 km,

from the orbit of the satellite 1966-101G (*with* **Hingston, J.**), 19.4-174; 19.8-220
See also **Cook, G. E.**, 19.7-632
Kingston, Janice, *see* **King-Hele, D. G.**, 19.10-187
Kinne, Otto
Physiological aspects of animal life in estuaries with special reference to salinity, 19.2-575
Kinney, Jo Ann S.
Visibility of colors underwater (*with* **Luria, S. M.** and **Weitzman, D. O.**), 19.3-636
Kino, G. S., *see* **Porkolab, M.**, 19.8-288
Kinoshita, Seiiti
Compression of snow at constant speed, 19.12-417
Heaving force of frozen soils, 19.11-372
Kinsey, Barbara E., *see* **Kinsey, D. W.**, 19.6-667
Kinsey, D. W.
Diurnal changes in oxygen content of the water over the coral reef platform at Heron I (*with* **Kinsey, B. E.**), 19.6-667
Kintanar, Roman L., *see* **Philippines. Weather Bureau**, 19.10-257
Kirilicheva, K. V.
Razvitie predstavlenii o vlagoobespechennosti kak pokazatele urozhainosti iarovoi pshenitsy [Development of the concept of moisture supply as an index of productivity of spring wheat], 19.4-39
Kirillov, A. A.
Metod rascheta srokov vozmozhnogo nachala nepreryvnogo dvizheniia ledokolov v sploshnykh l'dakh [Method of calculating possible onset times of continuous motion of ice breakers in solid ice] (*with* **Spichkin, V. A.**), 19.6-702
Metodika dolgosrochnykh ledovykh prognozov dlia arkticheskikh morei i puti ee sovershenstvovaniia [Method of long range ice forecasts for Arctic seas and ways for improving them], 19.12-751
Priblizhennyi sposob rascheta srokov nachala dvizheniia ledokolov nabegami v sploshnom ledianom pokrove [Approximate method of calculating the beginning of ice breaker incursions into a solid ice cover] (*with* **Spichkin, V. A.**), 19.4-709
Raschet sgonno-nogonnykh kolebanii urovnia Azovskogo moria [Computation of wind-induced oscillations of the level of the Sea of Azov], 19.4-299
Kirillova, T. V.
Effektivnoe izluchenie vodokhranilishch [Effective radiation of reservoirs] (*with* **Orlovskii, N. S.**), 19.1-202
Summarnaia radiatsiia i al'bedo Novosibirskogo vodokhranilishcha [Global radiation and albedo of the Novosibirsk Reservoir] (*with* **Kuniavskaia, M. V.**), 19.1-205
Kirillova, V. A., *see* **Ivanova, Z. M.**, 19.8-773; **Veselova, M. F.**, 19.8-456
Kirk, J. G.
Solar granulation spectrogram (*with* **Livingston, W.**), 19.11-684
Kirk, William H.
Thermocouple primer, 19.8-122
Kirkham, Don, *see* **Fritton, D. D.**, 19.8-40
Powers, W. L., 19.5-774
Kirkwood, L. F.
Inorganic phosphate, organic phosphorus, an
nitrate in Australian waters, 19.8-724
Kirova, O. A.
Nekotorye dannye o raspylennom veshchestve
raiona padeniia Tungusskogo meteori
[Certain data on pulverized matter from th
area of the Tunguska Meteorite fall] (*wi*
Zaslavskaia, N. I.), 19.11-660
Kirsten, G., *see* **Froelich, F.**, 19.10-606
Kirwald, Eduard
Lebens-Element Wasser und Leben
Gemeinschaft Wald (Wasserhaushaltstechn
oder "Hydronomie") [Water, the vital elemen
and the forest as a community of life (wat
budget technique or "hydronomy")], 19.2-26
Kirwan, A. D., Jr.
Constitutive equations for a fluid containi
non-rigid structures, 19.12-186
Theory of turbulent eddies, 19.10-246
See also **Lappe, U. O.**, 19.11-386
Kisabeth, J. L., *see* **Rai, D. B.**, 19.4-443
Kiselev, Iu. V.
Mnogokanal'nyi spektroanalizator svistiashchil
atmosferikov i UNCH-izluchenii [Multi-chann
spectroanalyzer of atmospheric whistlers and
VLF radiation] (*with* **Likhter, Ia. I.** an
Sobolev, Ia. P.) [and Eng. transl.], 19.7-491
Kiselev, V. I.
Ustroistva i metody distantsionnogo kontrol
polozheniia i ustoichivosti podvodnyl
izmeritel'nykh sistem [Devices and methods
remote control of the position and stability
underwater measuring systems] (*wi*
Naumenko, Iu. I.) [and Eng. transl.], 19.4-6
Kiseleva, M. S.
Pogloshchenie infrakrasnoi radiatsii (p
nerazreshennoi strukture spektra) dlia naklo
nykh putei v atmosfere (deistvie H_2O i CO
[Absorption of infrared radiation by wat
vapor and CO_2 over slant paths in the case
unresolved spectral structure] (*with* **Neporer**
B. S. and **Fedorova, E. O.**) [and Eng. transl.
19.8-333
Kish, Alex J.
Length of the growing season in South Caroli
(*with* **Wiley, W. H.** and **Purvis, J. C.**), 19.1-72
Kishida, Hideo, *see* **Ondoh, T.**, 19.1-383
Kishii, Toshio, *see* **Yasui, M.**, 19.9-741
Kisilenko, A. A.
Issledovanie zakonomernostei formirovaniia
raspredeleniia letnikh osadkov v Ukrainskil
Karpatakh (na primere gustoi osadkomern
seti v basseine r. Riki) [Investigation of regula
ities of the formation and distribution
summer precipitation in the Ukraini
Carpathians, based on the example of a den
network of rain gages in the Rika River basin
19.2-286
Kisin, I. M.
Minimal'nyi zimnii stok rek tiumenskoi obla
[Minimum winter river runoff in the Tium

region] (*with* **Komlev, A. M.** and **Kizimova, N. M.**), 19.11-804
isliakov, A. G.
Eksperimental'noe issledovanie zavisimosti atmosfernogo pogloshcheniia na volne 4, 1 mm ot vysoty nad urovnem moria [Experimental study of the dependence of atmospheric absorption at the wavelength of 4.1 mm on height above sea level] (*with* **Nikonov, V. N.** and **Strezhneva, K. M.**) [and Eng. transl.], 19.11-347
iss, Erzsebet (Toth)
Zuzmarameresek es ipari jelentoseguk [Rime measurements and their importance for industry], 19.6-380
issin, Isnau Gavrilovich
Gidrodinamicheskie anomalii v podzemnoi gidrosfere na primere Vostochno-Predkavkazskogo artezianskogo basseina [Hydrodynamic anomalies in the underground hydrosphere based on examples of the Vostochno-Predkavkazskii artesian basin], 19.12-9
itaigorodskii, S. A.
K analizu pul'satsionnykh nabliudenii v privodnom sloe atmosfery [Analysis of data from fluctuation measurements in the atmospheric surface layer over the sea] [and Eng. transl.], 19.11-378
K teorii turbulentnogo obmena v verkhnem pogranichnom sloe okeana [Theory of turbulent mixing in the upper boundary layer of the ocean] (*with* **Miropol'skii, Iu. Z.**) [and Eng. transl.], 19.5-664
Melkomasshtabnoe vzaimodeistvie okeana i atmosfery: kratkii ocherk sovetskikh issledovanii [Smallscale interactions between the ocean and the atmosphere: short sketch of Russian research] [and Eng. transl.], 19.5-682
itamura, Kazuo
On the soil-temperature and the air temperature in and out of vinyl house: the case of night, 19.3-40
itamura, T.
Determination of the magnetospheric plasma density by the use of long-period geomagnetic micropulsations (*with* **Jacobs, J. A.**), 19.11-589
itano, Yasushi
Geochemical study of ground waters in the Matsushiro area, Pt. 1 (*with others*), 19.6-806
itazawa, Kazuhiro
Intensity variation of the geomagnetic field during the past 4000 years in South America (*with* **Kobayashi, K.**), 19.12-531
iuchukova, Mariia
Vurkhu albedoto na vodoemi [Albedo of reservoirs], 19.2-203
See also **Bluskova, D.**, 19.2-223
youra, Raisaku
Separation of sulfur dioxide from hot flue gases, 19.7-227
zimova, N. M., *see* **Kisin, I. M.**, 19.11-804
aven, V. M., *see* **Znamenskaia, N. S.**, 19.2-602
Kleimenova, E. P.
Ob izmenenii grozovoi aktivnosti v solnechnom tsikle [Thunderstorm activity changes in the cycle], 19.4-237
Klein, G. L.
Solid state pulse-shaper-frequency-converter, 19.6-128
Klein, M. M.
Spatial diffusion of small particles in an exponential atmosphere (*with* **Yu, K.**), 19.7-342
Klein, William H.
Objective determination of sea level pressure from upper level heights (*with* **Lewis, F.** and **Stackpole, J. D.**), 19.1-241
Objective method of predicting quantitative precipitation in the Tennessee and Cumberland Valleys, 19.12-122
Precipitation program of the Techniques Development Laboratory, 19.4-151
Relation between upper air lows and winter precipitation in the western plateau states (*with* **Jorgensen, D. L.** and **Korte, A. F.**), 19.8-289
See also **Jorgensen, D. L.**, 19.2-284
Kleinjung, E., *see* **Georgii, H. W.**, 19.9-263
Kleinschmidt, Ernst
Ueber eine Antizyklone mit starker ageostrophischer Komponente [Anticyclone with a strong ageostrophic component], 19.6-279
Klepikova, N. V.
Nekotorye voprosy teorii osazhdeniia chastits aerozolia iz potoka [Some problems of the theory of aerosol deposition from a current] (*with* **Levin, L. M.** and **Sedunov, Iu. S.**), 19.8-231
Kliatskin, V. I., *see* **Golitsyn, G. S.**, 19.4-212
Klieforth, Harold
Specifications on accuracies required and on parameters to be measured in meso- and microstructural flight investigations, 19.3-72
Klikh, Iu. A., *see* **Divari, N. B.**, 19.1-138
Kline, Dwight B., *see* **Brier, G. W.**, 19.7-204
Kline, J. R.
Tritium movement in soil of tropical rain forest (*with* **Jordan, C. F.**), 19.10-797
Kliore, Arvydas J.
Atmosphere and ionosphere of Venus from the Mariner V S-band radio occultation measurement (*with others*), 19.5-566
Mariner 5 and the radius of Venus (*with* **Cain, D. L.**), 19.12-596
Summary of preliminary results of the Mariner IV radio-occultation experiment (*with others*), 19.11-651
Kliucharev, S. S.
Laplasian plotnosti vozdukha kak priznak atmosfernogo fronta i osadkov [The Laplacian of atmospheric density as an indicator of fronts and precipitation], 19.9-351
Klug, W.
Governing equations of thermal convection in a compressible fluid, 19.9-25
Klute, A., *see* **Miller, E. E.**, 19.7-853; **Whisler, F. D.**, 19.8-798

- **Knaflich, H. B.**
  - Longitudinal spread of Pc 1 micropulsations in the magnetosphere (*with* **Kenney, J. F.** and **Hessler, V. P.**), 19.8-586
- **Knapp, Gertrud,** *see* **Knapp, R.,** 19.5-52
- **Knapp, Ruediger**
  - Ueber Luftfeuchtigkeit und Temperatur in Bananen-Plantagen und anderen Pflanzenbestaenden auf Tenerife, Canarische Inseln [Humidity and temperature effects on banana plantations and other vegetation in Tenerife, Canary Islands] (*with* **Knapp, G.**), 19.5-52
- **Knapp, Warren W.**
  - Formation, persistence and disappearance of open water channels related to the meteorological conditions along the coast of the Antarctic Continent, 19.12-759
- **Knauss, John A.,** *see* **Taft, B. A.,** 19.5-14
- **Kneese, Allen V.**
  - Water research: economic analysis, water management, evaluation problems, water reallocation, political and administrative problems, hydrology and engineering, research programs and needs (*with* **Smith, S. C.**) (*eds.*), 19.10-14
- **Kneissl, G. J.**
  - Laser source integrating sphere for the measurement of directional hemispherical reflectance at high temperatures (*with* **Richmond, J. C.** and **Wiebelt, J. A.**), 19.12-98
- **Knestrick, G. L.**
  - Measurements of spectral radiance of the horizon sky (*with* **Curcio, J. A.**), 19.6-289
  - *See also* **Drummeter, L. F., Jr.,** 19.8-719
- **Knight, Charles A.**
  - Spongy hailstone growth criteria, Pt. 1 (*with* **Knight, N. C.**), 19.10-452
- **Knight, Nancy C.,** *see* **Knight, C. A.,** 19.10-452
- **Knight, P.**
  - Effect on medium-frequency sky-wave propagation of the conductivity of the ground near the transmitting aerial, 19.10-72
- **Knipe, O. D.**
  - Influence of temperature on the germination of some range grasses, 19.6-71
- **Knisel, Walter G.,** *see* **Blank, H. R.,** 19.6-803
- **Knizhnikov, Iu. F.**
  - Nekotorye dannye o dvizhenii lednikov El'brusa po materialam nazemnykh stereofotogrammetricheskikh s"emok [Some data on movement of Elbrus glaciers based on data from ground-based stereophotogrammetric surveys], 19.5-712
- **Knochenmus, Darwin D.**
  - Shoreline features as indicators of high lake levels, 19.1-588
- **Knoska, S.,** *see* **Krivsky, L.,** 19.4-592; **Pinter, S.,** 19.6-533
- **Knox, F. B.,** *see* **Unwin, R. S.,** 19.6-514
- **Knudsen, William C.**
  - Geographic distribution of F-region electrons with about 10-ev energy, 19.8-515
  - Orbital behaviour of the passive grid-sphere communications satellites, 1966 63A (*with* **Singer, S. F.**), 19.10-647
  - *See also* **Harris, K. K.,** 19.4-422; **Sharp, G.** 19.9-605
- **Knuth, R.,** *see* **Gloede, P.,** 19.10-524
- **Knutsson, G.**
  - Laboratory evaluation of ^{51}Cr-EDTA as a tra for groundwater flow (*with* **Forsberg, H.** 19.9-854
- **Ko, Jun Sheng**
  - Radar analysis of hailstorms over the Pek region in 1964 (*with others*) [Transl. fr Chinese], 19.6-425
- **Kobayashi, J.**
  - Lower troposphere radiosonde (*with othe* 19.2-102
- **Kobayashi, Kazuo,** *see* **Kitazawa, K.,** 19.12-531
- **Kobayashi, Teisaku**
  - On the variation of ice crystal habit with tem ature, 19.12-383
  - *See also* **Levi, L.,** 19.6-374
- **Kobiashvili, Zurab,** *see* **Alldredge, L. R.,** 19.6-
- **Koblova, Z. P.,** *see* **Barashkova, E. P.,** 19.1-100
- **Kobysheva, N. V.,** *see* **Narovlianskii, G.** 19.9-451
- **Kochelaba, E. I.**
  - K voprosu o prognoze pavodochnykh raskho r. Uzha u g. Ushgoroda [Forecasting Uzha R flood discharges at Uzhgorod], 19.9-231
- **Kockarts, G.**
  - Incursion aeronomique jusqu' a 50,000 [Penetration of aeronomy to 50,000 k 19.9-278
- **Kocmond, Warren C.**
  - Investigation of warm fog properties and modification concepts [and] Quarterly Prog for period ending June 31, 1967, 19.9-247
  - *See also* **Pilie, R. J.,** 19.2-125; 19.11-225
- **Koczy, F. F.,** *see* **Szabo, B. J.,** 19.1-544
- **Kodaira, Nobuhiko**
  - Present state of automatic weather stations Japan, 19.4-124
- **Kodama, Mashiro**
  - Multiple neutron production in the solar cos ray increase of Jan. 28, 1967, in Syowa B Antarctic, 19.2-433
  - Multiplicity measurements of cosmic ray neut monitors in low latitude (*with* **Ishida,** 19.2-432
  - *See also* **Inoue, A.,** 19.9-274
- **Koehnlein, Walter J.**
  - Gravity gradients on the Earth's surface deduced from satellite orbits, 19.5-533
  - On the gravity gradient at satellite altitu 19.10-648
- **Koenig, L. Randall**
  - Ice multiplication in the atmosphere, 19.6-37
  - Some observations suggesting ice multiplica in the atmosphere, 19.9-498
- **Koerner, R. M.**
  - Accumulation on the Devon Island ice Northwest Territories, Canada, 19.3-671
- **Kofsky, Irving L.**
  - Clarification of airglow processes by nuc excitation, 19.2-413
- **Kogan, B. A.**
  - Izmereniia temperatury morskoi vody

pomoshchi fototermografa [Sea water temperature measurements with the aid of a photothermograph] [and Eng. transl.], 19.11-709
Kogan-Beletskii, G. I.
Meteorologiia i aviatsiia [Meteorology and aviation] (*with* **Kosenko, V. M.**), 19.9-87
Kohl, Douglas A.
Aircraft measurements of fair weather electric field noise within the Austausch layer, 19.8-483
Kohl, Gerhard
Besteht ein Zusammenhang zwischen optischen Eigenschaften und der Temperatur in der Stratosphaere? [Is there a relationship between stratospheric optical properties and temperature?], 19.11-367
Depolarisation des Zenitdaemmerungslichts, Leuchtende Nachtwolken und hohes Ozon [Depolarization of zenith twilight, noctilucent clouds and upper atmospheric ozone], 19.6-462
Ueber die Wechselbeziehungen zwischen Depolarisation des Zenitdaemmerungslichts, hohem Ozon und E_S-Schicht [Interrelationship between depolarization of zenith twilight, high ozone and the E_S-layer], 19.10-494
Kohl, H.
Dynamics of the ionosphere: F-region phenomena, 19.9-30
See also **King, J. W.**, 19.4-429
Kohler, M. A.
Generalized estimates of free-water evaporation (*with* **Parmele, L. H.**), 19.3-270
Kohlmetz, Erich
Zur Entstehung, Verteilung und Auswirkung von Sturmfluten an der deutschen Ostseekueste [On the origin, distribution and effect of high tides raised by storms on the German coast of the Baltic Sea], 19.6-260
Kohnke, Robert E.
Frequency of runoff volumes from small watersheds, 19.5-768
Koitzsch, R.
Kontrolle der Empfindlichkeit einer Registriereinrichtung fuer kleine Thermospannungen [Checking the sensitivity of a recording device for low thermal voltages], 19.1-105
Kojima, Kenji
Densification of seasonal snow cover, 19.12-418
Field experiment on the influence of evaporation of snow upon snow melt, 19.9-475
Kokin, G. A., *see* **Izakov, M. N.**, 19.9-403
Kokkoniemi, J.
Some aspects on atmospheric effects of the cosmic ray μ-meson intensity (*with* **Kananen, H.** and **Kangas, J.**), 19.10-592
See also **Kangas, J.**, 19.10-591
Kokubun, Susumu
Report on observation of geomagnetic micropulsations at Syowa Station in 1966, 19.12-534
See also **Nishida, A.**, 19.3-512
Kolchinskii, I. G.
Effect of the Earth's atmospheric turbulence on the light collection of telescopes [Transl. from Russ.], 19.1-243
Koldomasov, L. I., *see* **Tiushin, Iu. I.**, 19.12-440
Kolesnikov, A. G.
Abyssal automatic turbulence meter, an instrument for the registration of turbulent fluctuations of velocity and temperature in the Ocean (*with others*) [Transl. from Russ.], 19.5-630
Instruments for measuring turbulent pulsations of current velocity and temperature at great depths (*with others*) [Transl. from Russ.], 19.6-652
See also **Beliaev, V. I.**, 19.4-640
Kolesova, V. I., *see* **Kropachev, E. P.**, 19.5-470
Kolkutin, V. I.
Urovennyi rezhim i metodika rascheta srednego urovnia Uglichskogo vodokhranilishcha [Level regime and method of calculating the mean level of Uglich Reservoir] (*with* **Savin, S. V.**), 19.6-780
Vodnyi balans Uglichskogo vodokhranilishcha [Water balance of Uglich Reservoir], 19.6-781
Kolmakov, I. B.
Vosproizvedenie iadra integral'nogo uravneniia dlia avtomaticheskogo vychisleniia spektra razmerov aerozolia metodom malykh uglov [Reproduction of the core of an integral equation for automatic computation of the aerosol size spectrum using the small angles method] (*with* **Odintsov, V. A.**), 19.1-141
See also **Shifrin, K. S.**, 19.1-149; 19.11-271
Kolomiets, A. R.
O sviazi E_S so sporadicheskimi meteorami [E_S connection with sporadic meteors] (*with* **Kasymova, A. G.**) [and Eng. transl.], 19.2-369
Kolomiitsev, O. P.
Variatsii skorosti ionoobrazovaniia q(h) v sloe F2 v vysokikh shirotakh v maksimume solnechnoi aktivnosti [Variation of the speed of ion production q(h) in F2 layer at high latitudes in the solar activity maximum] [and Eng. transl.], 19.5-411
See also **Golysheva, M. A.**, 19.3-381; **Ivanov-Kholodnyi, G. S.**, 19.2-362
Kolomiitseva, G. I., *see* **Bazarzhapov, A. D.**, 19.5-476; **Orlov, V. P.**, 19.8-580
Kolossa, I.
Messung der Dichte des natuerlichen Regens in Nellingen [Measuring the density of natural rain at Nellingen], 19.11-153
Kolotov, A. A.
Opredelenie srednego urovnia ozernoi chasti Gor'kovskogo vodokhranilishcha [Determination of the mean level of the lake part of the Gorki Reservoir], 19.5-756
Kolp, Otto
Meeresgrund- und Kuestenforschung im Bereich der Ostsee, II [Sea bottom and coastal research in the Baltic Sea area, Pt. 2] (*with* **Striggow, K.** and **Brauckhoff, K.**), 19.1-11
Die Sedimente der westlichen und suedlichen Ostsee und ihre Darstellung [Sediments of the western and southern Baltic Sea and their presentation], 19.1-11
Uentersuchung der Wirksamkeit von Seebuhnen mit Hilfe von Farbsandversuchen [Study of the effectiveness of marine breakwaters by means of dyed sand experiments], 19.1-11

Kolsky, H. G.
Some computer aspects of meteorology, 19.7-40

Kolta'kov, Iu. N., *see* **Doronin, Iu. P.,** 19.10-158

Komabayasi, M.
Discrete equilibrium temperatures of a hypothetical planet with the atmosphere and the hydrosphere of one component-two phase system under constant solar radiation, 19.3-555

Komai, Kenjiro, *see* **Endo, K.,** 19.4-47

Komarov, V. D., *see* **Zmieva, E. S.,** 19.11-194

Komarov, V. S.
Gorizontal'naia struktura polia temperatury i ego izmenchivost' v raione subtropicheskoi planetarnoi vysotnoi frontal'noi zony nad Evraziei [Horizontal structure of the temperature field and its variability in the subtropical planetary upper frontal zone over Eurasia], 19.7-329
Prostranstvennye korreliatsionnye sviazi temperatury v svobodnoi atmosfere nad nekotorymi raionami severnogo polushariia [Spatial temperature correlations in the free atmosphere over some areas of the Northern Hemisphere], 19.7-317

Komesaroff, M. M., *see* **Radhakrishnan, V.,** 19.11-627

Komissarov, G. D., *see* **Nazarova, T. N.,** 19.8-664

Komlev, A. M., *see* **Kisin, I. M.,** 19.11-804

Komoda, H.
Nonlinear development of disturbance in a laminar boundary layer, 19.10-333

Komori, Shuzo, *see* **Hom-ma, M.,** 19.10-717

Komura, Saburo
River-bed degration below dams (*with* **Simons, D. B.**) [Discussion by J. G. Herbertson et al.], 19.10-781

Konaga, Shunji
On the relation between Kuroshio strong currents and the water temperature of 200 m depth, Pt. 1 (*with others*), 19.12-722; Pt. 2, 19.10-745

Koncek, Mikulas
Saekulare Temperaturschwankungen in Mitteleuropa waehrend der letzten 190 Jahre [Secular temperature variations in Middle Europe during the last 190 years] (*with* **Cehak, K.**), 19.5-228

Kondo, Ichiro
Cosmic rays and radiation belts, 19.2-434

Kondo, Junsei
Analysis of solar radiation and downward long-wave radiation data in Japan, 19.2-200
Psychrometric constant for different sizes of the wet-thermometer, 19.2-98

Kondo, Yoji
Interaction of the neutral hydrogen and charged particles in the radiation belts: the consequent Lyman-alpha emission (*with* **Kupperian, J. E., Jr.**), 19.4-474

Kondrat'ev, Kirill Iakovlevich
Direct solar radiation and aerosol structure of the atmosphere from balloon measurements in the period IQSY (*with* **Nikol'skii, G. A.**), 19.12-241
Lunar meteorological observatory for observations of the Earth (*with others*), 19.6-30
O programme planetarnykh issledovanii atmosfery [Program of planetary investigatior of the atmosphere], 19.12-58
Obratnye zadachi sputnikovoi meteorolog [Inverse problems of satellite meteorology (*with* **Timofeev, Iu. M.**), 19.6-63
Pole izlucheniia Zemli kak planety [Field of ou going radiation of the Earth as a planet (*wit others*), 19.2-11
Radiative factors of the heat regime an dynamics of the upper atmospheric layers (*wit others*), 19.6-227
Sravnenie rezul'tatov vychisleniia ukhodiashcheg izlucheniia s dannymi izmerenii pri pomoshcl aktinometricheskikh radiozondov i meteoro logicheskikh sputnikov [Comparison of resul of computations of outgoing radiation wit data from measurements made using actinc metric radiosondes and meteorological sate lites] (*with* **D'iachenko, L. N.**), 19.1-216
Stratospheric water vapor distribution and th problem of noctilucent clouds (*with others* 19.9-279
See also **Zhvalev, V. F.,** 19.1-220; 19.5-121

Koniaev, K. V.
Izmerenie prostranstvenno-chastotnoi struktur volneniia metodom korreliatsionnoi pelengats [Measurement of spatial frequency structure c sea surface waves by the method of correla tional direction finding] [and Eng. transl. 19.4-688
See also **Dreier, A. A.,** 19.5-634

Koniukhov, A. G., *see* **Turbin, L. I.,** 19.5-738

Koniukhova, M. S., *see* **Davydova, O. A.,** 19.4-26

Kononov, K. E.
Ekologicheskie usloviia na lugakh poimy r. Len v Iugo-zapadnoi Iakutii (vodnyi rezhim poimer nykh pochv) [Ecological conditions o meadows of the Lena River flood plain i southwestern Yakutia (water regime of floo plain soils)], 19.3-725

Konopleva, V. P.
Nabliudeniia komet v period MGSS (1964-196 gg) [Observations of comets according to th IQSY program] (*with* **Garazdo-Lesnykh, G. A** and **Sereda, E. M.**), 19.9-697

Konovalov, Iu. G., *see* **Aleksaniants, S. M.,** 19.5-3

Konovalov, V. G.
Izmenenie teplovogo balansa abliatsii i svois deiatel'noi poverkhnosti l'da i firna po deistviem iskusstvennogo zacherneniia [Chang in the heat balance of ablation and in th properties of the active surface of ice and fir under the action of artificial blackening 19.12-772

Konrad, William L.
Long range underwater speech transmissio experiment, 19.7-735

Konradi, Andrei
Rapid increases in the proton and electron flux in the magnetosphere, 19.10-623

Konstantinov, A. R.
Evaluation of measuring errors of aspiration an station psychrometers used for the measur ment of air temperature and humidity in atm

sphere with nonuniform temperature field [Transl. from Russ.], 19.11-151
K voprosu o gidrometeorologicheskoi otsenke zasushlivykh iavlenii [Hydrometeorological evaluation of drought phenomena] (*with* **Svirina, V. V.**), 19.11-457
K voprosu usovershenstvovaniia metodiki izmereniia zhidkikh osadkov [Improving the methods for measuring liquid precipitation] (*with others*], 19.10-144
Metody rascheta ispareniia po gidrometeorologicheskim dannym [Methods for calculating evaporation from hydrometeorological data], 19.9-121
Nekotorye itogi trekhletnikh kompleksnykh issledovanii orosheniia kukuruzy po borozdam i dozhdevaniem na iuge Ukrainskoi SSR [Some results of three years of compound studies of corn irrigation by trenches and by sprinkling in the Ukrainian S.S.R] (*with others*), 19.12-44
O vozmozhnosti vnedreniia fiziko-matematicheskikh metodov issledovaniia v agrometeorologicheskuiu nauku [Possibility of adapting physical-mathematical methods of investigation to agricultural meteorology], 19.1-37
Rol' sostavliaiushchikh teplovogo i vodnogo balansov v formirovanii landshafta [Role of heat and water balance components in the formation of a landscape] (*with* **Sakali, L. I.**), 19.11-334
Sravnitel'naia otsenka gidrometeorologicheskogo rezhima kukuruznogo polia do i posle poliva [Comparative evaluation of the hydrometeorological regime of corn fields before and after irrigation] (*with* **Bibik, V. V.** and **Ognianik, G. S.**), 19.10-56
Vodnyi rezhim pochv i vodopotreblenie kukuruzy v usloviiakh orosheniia [Water regime of soils and water requirement of maize under irrigation conditions] (*with others*), 19.3-726
Konstantinov, B. P.
Eksperimental'nye dannye, svidetel'stvuiushchie protiv gipotezy o pylevom oblake Zemli [Experimental evidence against the Earth's dust cloud hypothesis] (*with* **Bredov, M. M.** and **Mazets, E. P.**) [and Eng. transl.], 19.1-142
Konstantinov, V. A.
Moshchnaia vspyshka solnechnoi aktovnosti 2. IX 1966 g po rezul'tatam nabliudenii v Alma-Ate [A powerful solar flare activity, Sept. 2, 1966 in Alma-Ata] [and Eng. transl.], 19.5-594
Konstantinova, V. G.
Organizatsiia vydachi sputnikovoi informatsii na blanki geograficheskikh kart [Organization of the printout of satellite information on forms with geographic maps] (*with* **Chetverikov, I. A.**), 19.4-563
Kontarev, G. R., *see* **Marchuk, G. I.,** 19.5-145
Kontorshchikova, O. M.
Zavisimost' urozhaia sakharnoi svekly ot vlagoobespechennosti posevov pri razlichnom urovne agrotekhniki [Dependence of more or less extensively cultivated sugar beet on the moisture supply of seedlings], 19.4-40
Kool', L. V.
Aktivnost' passatnykh frontov nad Atlanticheskim okeanom [Activity of trade-wind fronts over the Atlantic Ocean], 19.3-200
Koontz, W. A.
Multi-purpose data acquisition system for instrumentation of the nearshore environment (*with* **Inman, D. L.**), 19.1-529
Kopacek, Jaroslav
Integrace prognosticke rovnice pro vysku libovolne isobaricke plochy [Integration of a prognostic equation for the height of an arbitrary isobaric surface], 19.10-165
Kopal, Zdenek
Introduction to the study of the Moon, 19.3-4
See also **International Conference on Selenodesy and Lunar Topography, 2nd, Univ. of Manchester, England, May-June, 1966,** 19.1-22
Kopanev, I. D.
Heat balance of the Antarctic Continent, 19.12-228
Kratkaia kharakteristika uslovii ispareniia so snezhnogo pokrova na ravninnoi territorii SSSR [Summary of conditions for evaporation from snow cover on the plains of the U.S.S.R], 19.4-316
Kopcewicz, Teodor
Selected problems in hail physics and hail suppression: report on the [Cracow] Symposium on Hail Suppression [Transl. from Polish], 19.8-204
Kopec, Richard J.
Areal patterns of seasonal temperature anomalies in the vicinity of the Great Lakes, 19.4-262
Effects of the Great Lakes' thermal influence on freeze-free dates in spring and fall as determined by Hopkins' bioclimatic law, 19.1-329
Kopecky, M., *see* **Banin, V. G.,** 19.5-605
Kopka, Helmut
MUF calculations including the effect of the Earth's magnetic field (*with* **Moeller, H. G.**), 19.5-412
Koplan-Diks, Igor' Sergeevich
Osnovy statisticheskoi obrabotki i kartirovaniia okeanograficheskikh dannykh [Bases of statistical treatment and charts of oceanographical data], 19.10-710
Koppany, Gyorgy
Improved method for the medium-range forecast of precipitation, 19.9-226
Kozep- es hosszutavu elorejelzesek a Szovjetunioban es az Egyesult Allamokban [Medium and long range forecasts in the U.S.S.R. and the U.S.A.], 19.1-123
Koptev, A. P.
Albedo of the snow-ice cover of the sea [Transl. from Russ.], 19.2-204
Meteorologicheskie usloviia po puti sledovaniia d/e "Ob", noiabr'-dekabr' 1965 g [Meteorological conditions during the voyage of the "Ob", Nov.-Dec. 1965] [and Eng. transl.], 19.2-79
Kopyt, A. D.
Zakonomernosti izmeneniia zapasov pochvennoi vlagi pod zernovymi kul'turami na territorii

severnoi poloviny Kazakhstana [Regularities of change in soil moisture under grain crops on the territory of the northern half of Kazakhstan], 19.10-798

Korbutiak, M. V.
- Nekotorye osobennosti ledovogo rezhima malykh vodokhranilishch Srednego Povolzh'ia [Some features of the ice regime of small reservoirs in the Middle Volga area], 19.5-729
- Puti kartirovaniia ledovykh iavlenii vodosbora Kuibyshevskogo vodokhranilishcha [Methods of mapping ice phenomena of the drainage basin of the Kuibyshev Reservoir] (*with* **Petrov, G. N.**), 19.5-730

Kordes, Eldon E.
- Preliminary evaluation of XB-70 airplane encounters with high-altitude turbulence (*with* **Love, B. J.**), 19.2-237

Korea. Central Meteorological Observatory
- Annual Report, 1966, 19.11-132

Korea. Hydrographic Office
- Technical Reports, 1966, Pt. 1, Hydrographic and oceanographic data [for various areas]; Pt. 2, Contributions and research papers; Pt. 3, Administration, 19.3-9

Korejs, Zdenek
- Britske pranostiky [British weather lore], 19.10-185

Koren', V. I.
- Chislennoe integrirovanie uravnenii Sen-Venana po iavnym skhemam pri raschetakh neustanovivshegosia dvizheniia vody v rekakh [Numerical integration of the equation of Saint-Venant according to an explicit method in calculations of unstable movement of waters in rivers] (*with* **Kuchment, L. S.**), 19.9-863
- K postanovke granichnykh uslovii pri chislennom integrirovanii uravnenii Sen-Venana [Formulation of boundary conditions for numerical integration of Saint Venant equations] (*with* **Kuchment, L. S.**), 19.3-715
- Neustanovivsheesia dvizhenie v priamougol'nom kanale s periodicheski meniaiushcheisia shirinoi [Non-stationary motion in a rectangular canal with periodically varying width], 19.9-827

Korenevskaia, E. I.
- Mikroklimat uchebnykh pomeshchenii i teplovoe sostoianie detei v shkolakh s raznymi ograzhdaiushchimi konstruktsiiami v usloviiakh IV klimaticheskoi zony [Microclimate of classrooms and the thermal state of children in school with different enclosing structures in the IVth climatic zone] (*with* **Nedeva, V. V.**) [and Eng. transl.], 19.5-346

Korenkov, I. P.
- Izuchenie vzaimosviazi mezhdu radioaktivnymi vypadeniiami i osadkami [Study of the relationship between radioactive fallout and precipitation] (*with* **Novikov, Iu. V.** and **Kozlova, M. V.**), 19.11-289

Korff, A. S.
- Neutron production by cosmic rays in the atmosphere (*with* **Mendell, R. B.**), 19.11-556

Korneva, L. A.
- Vasilii Vladimirovich Shuleikin (k semidesiatiletiiu so dnia rozhdeniia) [Vasilii Vladimirovich Shuleikin (on the seventieth anniversary of his birth)], 19.3-26

Kornfield, J.
- Photographic cloud climatology from ESSA III and V computer produced mosaics (*with others*), 19.5-114

Korolev, A. I.
- Ob adgezionnykh svoistvakh snega [Adhesive properties of snow], 19.11-467
- Sviaz' temperatury poverkhnosti snezhnogo pokrova s temperaturoi vozdukha v nochnoi period v razlichnykh meteorologicheskikh usloviiakh [Relationship between the temperature of the snow cover surface and atmospheric temperature at night under various meteorological conditions], 19.11-358

Korotkevich, E. S.
- Ten years of Soviet research in the Antarctic (1965-1966) [Transl. from Russ.], 19.2-78

Korsh, L. E., *see* **Mats, L. I.**, 19.3-43

Korshover, J., *see* **Angell, J. K.**, 19.3-146

Kort, V. G.
- "Vitiaz" v Tikhom okeane: 38-i reis "korablia nauki" ["Vitiaz" in the Pacific: the 38th cruise of the "science ship"], 19.2-528

Korte, August F., *see* **Jorgensen, D. L.**, 19.2-284; **Klein, W. H.**, 19.8-289

Korvin-Kroukovsky, B. V.
- Further reflections on properties of sea waves developing along a fetch, 19.10-382

Korzov, V. I.
- Samoletnye izmereniia indikatris iarkosti podstilaiushchei poverkhnosti [Airplane measurements of the brightness indices of the underlying surface] (*with* **Krasil'shchikov, L. B.**), 19.1-208

Korzun, V. I.
- Gidrometeorologicheskaia sluzhba SSSR za 50 let [The Hydrometeorological Service of the U.S.S.R. over a period of 50 years], 19.6-46

Kosack, Hans Peter
- Die Polarforschung: ein Datenbuch ueber die Natur-, Kultur-, Wirtschaftsverhaeltnisse und die Erforschungsgeschichte der Polarregionen [Polar research: a book of facts on the natural, cultivation and economic conditions and the history of exploration of the Polar regions], 19.11-8

Koschmieder, E. L.
- On convection on a uniformly heated rotating plane, 19.7-673

Koscielski, Alexander
- Black Hills tornado on July 23, 1966 in South Dakota, 19.6-276
- Randomized seeding experiment in South Dakota (*with* **Dennis, A. S.**), 19.9-249

Kosenko, V. M., *see* **Kogan-Beletskii, G. I.**, 19.9-87

Koshel'kov, Iu. P.
- Analiz tochnosti traektorii, opredelennykh po sinopticheskim kartam, na raznykh vysotakh [Analysis of the accuracy of trajectories from

  - synoptic charts at different determined altitudes] (*with* **Britvina, R. A.**), 19.5-68
- **Koshinskii, S. D.**
  - Raschet maksimal'nykh amplitud temperatury vozdukha na kletchatke asimmetrichnoi chastoty Gudricha [Computation of maximum temperature amplitudes by means of Goodrich's asymmetric frequency nomogram] (*with* **Maliutina, A. A.**), 19.12-251
  - Raschet maksimal'noi nepreryvnoi prodolzhitel'nosti shtormov razlichnoi obespechennosti [Computation of maximum continuous duration of storms of different probabilities], 19.11-397
- **Kosiborod, N. R.**, *see* **Zenin, M. T.**, 19.10-198
- **Kosso, Eugene V.**
  - Real-time telemetry, 19.2-84
- **Kossowska, Urszula**
  - Wplyw jezior na warunki termiczne i wilgotnosciowe (na przykladzie wynikow obserwacji w okresie lipca i sierpnia 1962 r.) [Effects of the water surface on temperature and humidity conditions (from observations in the Lake District in the summer of 1962)], 19.5-355
- **Kostelnicek, R. J.**
  - Investigation of boundary theories for the resonance probe, 19.8-165
- **Kostianoi, G. N.**
  - K programmirovaniiu radiatsionnykh nomogramm [Programming radiation nomograms], 19.9-352
  - Ob izmeneniiakh polia dlinnovolnovoi radiatsii vblizi tropopauzy [Variations in the long wave radiation field near the tropopause] (*with* **Tarasenko, D. A.**), 19.5-223
- **Kostiunina, G. P.**, *see* **Il'in, V. S.**, 19.12-159
- **Kostko, O. K.**, *see* **Bragin, Iu. A.**, 19.8-246
- **Kostov, K. D.**
  - Estestvenata osvetenost na teritoriiata na stranata [Natural illumination in Bulgaria], 19.4-249
- **Kotadia, K. M.**
  - Ionospheric effects of nuclear explosions, Pt. 2 (*with* **Jani, K. G.** and **Rawer, K.**), 19.10-539
- **Koteswaram, Pancheti**
  - Upper-tropospheric and lower-stratospheric structure of several hurricanes, 19.6-273
- **Kotliakov, V. M.**
  - Influence of drifting on snow distribution in the mountains and its role in the formation of avalanches (*with* **Plam, M. Ia.**), 19.3-326
  - New data on the snow accumulation regime in the interior of East Antarctica (*with* **Lazarev, G. E.** and **Liubarets, M. M.**) [Transl. from Russ.], 19.3-312
  - Temperature regime of the snow cover on Sovetskoye Plateau (*with* **Lazarev, G. E.** and **Liubarets, M. M.**) [Transl. from Russ.], 19.3-313
  - *See also* **Avsiuk, G. A.**, 19.11-774
- **Kotova, N. G.**
  - Vliianie Kuibyshevskogo vodokhranilishcha na pochvy i rastitel'nost' podtoplennykh territorii [Effect of Kuibyshev Reservoir on the soils and vegetation of flooded territory], 19.6-782
- **Kousky, V. E.**, *see* **Wallace, John M.**, 19.12-156
- **Kovachev, B. Zh.**
  - Iarkost' lunnykh zatmenii i forma solnechnoi korony [Brightness of lunar eclipses and the form of the solar corona], 19.1-478
- **Kovacheva, N.**, *see* **Simidchiev, D.**, 19.3-93
- **Kovacs, Jozsef**, *see* **Bozoky, L.**, 19.6-234
- **Koval', A. N.**
  - Izuchenie emissii linii metallov v usakh na diske [Investigation of metallic emission lines in whiskers of the disk], 19.12-654
- **Kovaleva, T. E.**
  - Issledovanie mikroklimata zhiloi zastroiki i kvartir v letnii period v Novosibirske [Investigation of the summer microclimate of buildings and apartments in Novosibirsk] (*with* **Pivkin, V. M.** and **Shkoller, L. Ia.**), 19.11-498
- **Kovalevskaia, E. M.**
  - O gorizontal'nykh gradientakh kriticheskoi chastoty sloia F2, sviazannykh s mestnym vremenem [Horizontal gradients of the critical frequency of the F2 layer connected with local time] [and Eng. transl.], 19.2-370
- **Kovalevskii, I. V.**
  - Potok energii solnechnoi plazmy v sektornoi strukture mezhplanetnogo magnitnogo polia [Energy flux of solar plasma in the sectoral structure of the interplanetary magnetic field] [and Eng. transl.], 19.8-669
  - Raspredelenie plotnosti energii i davleniia v sektornoi strukture spokoinogo mezhplanetnogo magnitnogo polia [Distribution of density of energy and pressure in a sectorial structure of the quiet interplanetary magnetic field] [and Eng. transl.], 19.5-224
  - Sviaz' geomagnitnoi aktivnosti s plotnost'iu potoka energii spokoinogo solnechnogo vetra [Relationship between geomagnetic activity and the density of energy flux of a quiet solar wind] [and Eng. transl.], 19.8-598
  - Zavisimost' geomagnitnoi aktivnosti ot plotnosti energii i davleniia mezhplanetnoi plazmy i magnitnogo polia [Dependence of geomagnetic activity on energy density and pressure of interplanetary plasma and the magnetic field] [and Eng. transl.], 19.5-520
  - *See also* **Ivanov, K. G.**, 19.5-527
- **Kovalevsky, J.**
  - "Lunar Orbiter", 19.10-672
- **Kovasznay, Leslie S. G.**
  - Structure of the turbulent boundary layer, 19.10-334
- **Koveshnikova, L. A.**, *see* **Timofeeva, V. A.**, 19.7-737
- **Kovrova, A. M.**
  - Character of turbulence in the free atmosphere in the western sector of the Soviet Arctic [Transl. from Russ.], 19.11-392
  - Rezhim temperatury i vlazhnosti svobodnoi atmosfery v Antarktide v 1965 g [Temperature and humidity regime in the free atmosphere over Antarctica in 1965] (*with* **Shiposh, N. V.**) [and Eng. transl.], 19.2-227
  - *See also* **Dolgin, I. M.**, 19.1-276

Kowalik, Zygmunt

Pionowa wymiana ciepla w wodach Baltyku w latach 1950-1962 [Vertical heat exchange in the waters of the Baltic in the years 1950-1962], 19.10-743

Kowalski, Tadeusz, *see* **Dubinsky, J.,** 19.2-423

Koyama, Michiyoshi

Frost heave of roads in Hokkaido and its countermeasures (*with* **Sasaki, H.**), 19.11-219

Koyama, Seitaro, *see* **Sotobayashi, T.,** 19.1-170

Kozai, Y.

Determination of Love's number from satellite observations, 19.5-534

Kozharin, V. S.

O zakonomernostiakh kolebanii vysoty nizhnei granitsy oblakov [Regularities of height fluctuations of the lower cloud boundary], 19.3-286

Kozhemiachenko, E. A.

Agroklimaticheskoe obosnovanie pozhnivnykh posevov grechikhi na Ukraine i v Moldavii [Agroclimatic basis of post-harvest planting of buckwheat in the Ukraine and Moldavia], 19.2-54

Kozhevnikov, B. L., *see* **Bespalov, D. P.,** 19.9-170

Kozhevnikov, N. I., *see* **Murasheva, M. S.,** 19.12-657

Kozhevnikov, V. N.

Orograficheskie vozmushcheniia v dvumernoi statsionarnoi zadache [Orographic disturbances in a two-dimensional stationary problem] [and Eng. transl.], 19.7-359

Kozlianinov, M. V.

Ob opredelenii pokazatelei vertikal'nogo oslableniia i pogloshcheniia na osnove izmereniia s samoleta koeffitsientov spektral'noi iarkosti moria [Determination of indices of vertical extinction and absorption on the basis of aircraft measurements of the coefficient of spectral brightness of the sea] (*with* **Semenchenko, I. V.**) [and Eng. transl.], 19.4-631

Razvitie optiki moria v SSSR [Development in marine optics in the U.S.S.R.] [and Eng. transl.], 19.5-649

Kozlik, Vladimir

Couche de neige et sa mesure au-dessus de la zone forestiere (dans la region des avalanches), 19.4-353

Kozlov, S. I.

Interpretatsiia nachal'nykh riometricheskikh nabliudenii na ostrove Ueik vo vremia vysotnogo vzryva 9 iiulia 1962 g [Interpretation of initial riometric observations on Wake Island during the high altitude explosion of July 9, 1962] [and Eng. transl.], 19.5-61

Kozlov, V. F.

K teorii baroklinnogo sloia na ekvatore [Theory of a baroclinic layer at the equator] [and Eng. transl.], 19.1-555

Kozlova, M. V., *see* **Korenkov, I. P.,** 19.11-289

Kozminski, Czeslaw

Prawdopodovienstwo wystepowania posuch atmosferycznych w Polsce na przykladzie wybranych stacji meteorologicznych [Probability of atmospheric drought occurrence in Poland on the basis of selected meteorological stations], 19.11-458

Wstepne wyniki pomiarow natezenia opadow gradu na kilku stacjach meteorologicznykh w Polsce [Preliminary results of hail intensity measurements at some meteorological stations in Poland], 19.11-473

Kraakevik, J. H.

Atmospheric electric characteristics of regions (*with* **Hoppel, W. A.**), 19.11-517

Kraft, D. W., *see* **Clay, C. S.,** 19.7-145

Kraijenhoff Van de Leur, D. A.

Runoff models with linear elements, 19.8-22

Krainski, Waldemar

Nagle poctatki burz magnetycznych (SSC) zarejestrowane w Raciborzu w okresie 1958, V, 21-1961, XII, 31 [Sudden commencements of magnetic storms (SSC) recorded in Raciborz between May 21, 1958 and Dec. 31, 1961], 19.3-489

Krall, Allan M.

Density of meteorite impacts on the Moon, 19.7-660

Kramar, L. M.

Agroklimaticheskoe obosnovanie srokov seva sakharnoi svekly na territorii Dal'nego Vostoka [Agroclimatic basis of dates of planting sugar beets in the Far East], 19.8-63

Agroklimaticheskoe obosnovanie srokov uborki sakharnoi svekly [Agroclimatic basis for harvest dates of sugar beets], 19.8-64

Kramer, E. N., *see* **Babadzhanov, P. B.,** 19.3-576; 19.4-575

Kramer, James R.

Equilibrium models and composition of the Great Lakes, 19.9-818

Kramer, Paul J.

Water absorption, conduction, and transpiration (*with* **Biddulph, O.** and **Nakayama, F. S.**), 19.7-852

Krasil'nikov, D. D.

Atmospheric-density effects in the EAS frequency during cyclones and seasonal fluctuations in atmospheric temperature (*with others*) [Transl. from Russ.], 19.1-15

Correlation of the frequency of large ionization bursts with the 11-year solar-activity cycle [Transl. from Russ.], 19.1-15

μ-meson spectrum for energies from 10^{11} to 10^{13} eV at sea level [Transl. from Russ.], 19.1-15

Krasil'shchikov, L. B., *see* **Korzov, V. I.,** 19.1-208

Krasiuk, V. S.

K voprosu o raschete tolshchiny verkhnego izotermicheskogo sloia moria v tepluiu chast' goda [The problem of calculating the thickness of the isothermal layer of the sea in the warm part of the year], 19.12-719

Krasnianskaia, V. P.

Sviaz' mezhdu otdel'nymi pokazateliami termicheskogo rezhima vozdukha v usloviiakh Sakhalinskoi oblasti [Relationship between individual indices of the thermal regime of the air in the Sakhalin region], 19.8-349

Termicheskie usloviia v period posadki kartofelia

i vysadki rassady pomidorov v grunt v usloviiakh Sakhalina [Thermal conditions during the period of planting potatoes and of transplanting tomato plants under Sakhalin conditions] (*with* **Khudiakova, A. I.**), 19.8-50
See also **Kalmykova, V. V.**, 19.6-69
Krasnogorskaia, N. V.
Issledovanie parametrov chastits osadkov v svobodnoi atmosfere [Study of parameters of precipitation particles in the free atmosphere] (*with* **Kurilenko, Iu. Ia.** and **Rybin, I. M.**) [and Eng. transl.], 19.12-356
Metody kosvennogo issledovaniia nekotorykh elektricheskikh kharakteristik atmosfery [Methods of indirect study of some electrical characteristics of the atmosphere] [and Eng. transl.], 19.4-390
Ob elektrodnom effekte [Electrode effect] [and Eng. transl.], 19.3-367
Krasnoshchekov, E. A.
Experimental study of the heat transfer in the supercritical region of carbon dioxide (*with others*) [Transl. from Russ.], 19.11-296
Krasnushkin, P. E., *see* **Baibulatov, R. B.**, 19.1-427
Krasovskaia, T. M., *see* **Zhelezniak, I. A.**, 19.3-351
Krasovskii, V. I.
Aurorae, 19.7-544; 19.8-543
Heating of the upper atmosphere during geomagnetic disturbances, 19.8-254
Poliarnye siianiia [Auroras] [and Eng. transl.], 19.9-616
Krasser, Leo M. A.
Sound phenomena of deposited snow, 19.12-405
Krat, V. A.
On solar observations at an international observatory on the Moon, 19.6-30
Kratzer, Albert
Beitraege zum Muenchner Stadtklima [Climate of the city of Munich], 19.12-424
Kraus, Eric B.
Aruba expedition 1965: observations and analysis (*with* **Ching, J.** and **Elsberry, R.**), 19.5-625
Organized convection in the ocean surface layer resulting from slicks and wave radiation stress, 19.10-755
Sea-air interaction, 19.4-680
What do we not know about the sea-surface wind stress, 19.8-386
Wind stress along the sea surface, 19.1-267
See also **Turner, J. S.**, 19.5-671
Kraus, Helmut
Freie und bedeckte Ablation [Free and covered ablation], 19.3-672
Krause, Gunther
Die Struktur des heissen salzreichen Tiefenwassers im zentralen Roten Meer [The structure of the hot salty deep water in the central Red Sea] (*with* **Ziegenbein, J.**), 19.6-674
Krauss, Ronald K., *see* **Brown, M. J.**, 19.11-262
Kravchenko, I. M.
Usloviia obrazovaniia i sushchestvovaniia molekul H_2O v mesosfere [Conditions for the formation and existence of molecules of H_2O in the mesosphere] (*with* **Khvostikov, I. A.**), 19.5-367
See also **Khvostikov, I. A.**, 19.9-276
Kravitz, Joseph H., *see* **Codispoti, L. A.**, 19.12-669
Kravtsov, Iu. A.
Fluktuatsii amplitudy i fazy volny, proshedshei vblizi kausticheskoi poverkhnosti [Fluctuations of amplitude and phase of a wave travelling near the caustic surface], 19.12-52
Kravtsova, L. M.
Nekotorye kharakteristiki sutochnogo khoda oblachnosti nad severnym polushariem [Some characteristics of diurnal cloudiness variations over the Northern Hemisphere] (*with* **Murav'eva, N. M.**), 19.7-393
Kravtsova, V. I., *see* **Akif'eva, K. V.**, 19.11-468
Krechmer, M. V.
Experience in processing aerological data with electronic computers (*with* **Smirnov, G. A.**) [Transl. from Russ.], 19.8-84
Oshibki opredeleniia skorosti i napravleniia vetra iz-za netochnogo izmereniia koordinat [Errors in determining wind velocities and directions due to inaccurate measurements of the coordinates], 19.9-132
See also **Glagolev, Iu. A.**, 19.9-173
Krecmer, Vladimir
Intercepce borovych porostu v nizinne poloze [Precipitation interception by pine forests in plains], 19.7-422
Das Mikroklima der Kieferlochkahlschlaege, V. Teil [Microclimate in pine gap cuttings, Pt. 5], 19.8-408
Kreider, Marlin B.
Physical and physiological factors in fatal exposures to cold, 19.10-61
Kreiss, William T.
Meteorological observations with passive microwave systems, 19.11-6
See also **Palmer, T. Y.**, 19.4-243
Kreitzberg, Carl W.
Mesoscale temperature changes in the supersonic transport climb region, 19.3-36
Mesoscale wind field in an occlusion, 19.3-244
Structures within an occlusion as revealed by a mesoscale rawinsonde network, 19.7-287
Kremser, G.
Balloon measurements of auroral x-rays, 19.3-408
Kreplin, Robert W., *see* **Gregory, B. N.**, 19.1-501
Kress, Christoph
Ein Beispiel der Versendung von Wettersatellitenbildern als zusaetzliches Hilfsmittel bei der synoptischen Analyse [An example of using weather satellite pictures as an aid in synoptic analysis], 19.11-173
Kress, Waltraud
Statistische Untersuchungen des Jet Stream ueber Europa und ueber dem Ostatlantik [Statistical investigations of jet stream over Europe and the East Atlantic], 19.8-295
Kresser, Werner
Die historische Entwicklung der Gewaesserkunde und ihre Bedeutung in unserer Zeit [Historical development and present significance of hydrology, 19.3-675

Krey, P. W.
  Atmospheric burnup of a plutonium-238 generator, 19.3-154
  See also **Volchok, H. L.**, 19.4-203
Krichagin, V. I.
  Sravnenie rasschitannykh i izmerennykh velichin summarnoi solnechnoi radiatsii, postupaiushchei na poverkhnost' neorientirovannogo tsilindra [Comparison between computed and measured values of global solar radiation, falling on the surface of cylinder which is not oriented] (*with* **Tsitsenko, G. V.**), 19.9-365
Krider, E. P.
  Peak power and energy dissipation in a single-stroke lightning flash (*with* **Dawson, G. A.** and **Uman, M. A.**), 19.10-503
Krieg, Joe L.
  Hurricane risks as they relate to offshore pipelines, 19.9-339
Krieger, F. J.
  Space programs of the Soviet Union, 19.10-642
Kriester, Barbara
  Effects of solar radiation in the lower atmosphere, 19.11-336
  Stratospheric warmings, 19.11-369
Krimigis, S. M.
  Geomagnetically trapped alpha particles (*with* **Van Allen, J. A.**), 19.5-510
  See also **Armstrong, T. P.**, 19.4-527
Krishna, K.
  Numerical study of the diurnal variation of meteorological parameters in the planetary boundary layer, Pt. 1, 19.9-443
Krishna Menon, Velayudh
  Remote sensing by infrared and microwave radiometry (*with* **Ragotzkie, R. A.**), 19.3-206
Krishna Rao, P., *see* **Fritz, S.**, 19.3-56
Krishnamurthi, M.
  Ionospheric absorption studies based on cosmic noise data at 28.6 MHz at Bangalore (*with* **Subrahmanya Sarma, S. B. S.**), 19.4-430
  Method of obtaining the mean electron collision frequencies in the F2 layer from cosmic noise absorption studies (*with* **Subrahmanya Sarma, S. B. S.**), 19.3-392
Krishnamurthy, B. V., *see* **Bauer, S. J.**, 19.8-490; 19.10-514; **Chandra, S.**, 19.6-480; 19.8-354
Krishnamurthy, V., *see* **Venkataraman, S.**, 19.4-246
Krishnamurti, T. N.
  Calculation of percentage area covered by convective clouds from moisture convergence, 19.7-109
  Diagnosti balance model for studies of weather systems of low and high latitudes, Rossby number less than 1, 19.9-306
  Study of a developing wave cyclone, 19.9-328
  Study of mid-tropospheric phenomena during the propagation of a Hovmoeller impulse, 19.10-252
Krishnan, A. I., *see* **Fitzpatrick, E. A.**, 19.10-55
Kristensen, K. J., *see* **Kaack, K.**, 19.4-36
Krivelevich, L. M.
  Gidrodinamicheskaia model' dreifovykh techenii na ekvatore [Hydrodynamic model for drift currents at the equator], 19.8-731
  Nelineinaia model' techeniia neodnorodnoi zhidkosti na ekvatore [Non-linear model of the flow of inhomogeneous fluid at the equator] [and Eng. transl.], 19.12-711
Krivsky, Ladislav
  Effekty nalozheniia dvukh anomal'nykh X-emissii v srednei ionosfere [Effects of superposition of two anomalous X-emissions in the intermediate ionosphere] (*with* **Serafimov, K.**) [and Eng. transl.], 19.4-431
  K voprosu o mechanizme obrazovaniia dekametrovogo izlucheniia vo vremia vspyshki [Problem of the mechanism of origin of decameter emission during the solar flare of July 12, 1961] (*with* **Neshpor, Iu. I.**), 19.12-638
  Time-latitude occurrence of flares in two activity cycles (*with* **Knoska, S.**), 19.4-592
  See also **Gopasiuk, S. I.**, 19.3-424; **Serafimov, K.**, 19.3-398
Kriz, Vladislav
  Rozbor strednich profilovych a maximalnich povrchovych rychlosti na tocich [Analysis of mean profile and maximum surface velocities on rivers as a method of determination of peak discharges], 19.3-720
  Vliv cetnosti pozorovani na statisticke zhodnoceni vydatnosti pramene [Influence of frequency of observation on the statistic evaluation of the yield of a spring] (*with* **Zeleny, V.**), 19.10-788
Kronberg, P. P., *see* **Conway, R. G.**, 19.9-690
Kronke, Richard H.
  Earth radiance and reflectives relative to the response of a silicon detector (*with* **Raymond, F. W.**), 19.8-339
Kropachev, E. P.
  Optimal'noe predstavlenie geomagnitnogo polia tremia dipoliami [Optimum presentation of the geomagnetic field by the three dipoles] (*with* **Kolesova, V. I.**) [and Eng. transl.], 19.5-470
Kroshkin, M. G.
  Desiat' let kosmicheskikh issledovanii [A decade of cosmic investigations] (*with* **Zaitsev, Iu. I.**), 19.5-115
Krs, Miroslav
  Intensity of the Earth's magnetic field in the geological past, 19.1-431
Krska, Karel
  Poznamky k Ceskoslovenskym typizacim povetrnostnich situaci se zretelem na severni situace [Czechoslovakian classification of synoptic situations with consideration of northerly situations], 19.7-177
  Prispevek ke kartografickemu znazornovani rocniho chodu srazek na uzemi CSSR [Contribution to the cartographic representation of the annual rainfall over Czechoslovakia], 19.10-417
Kruchinin, Iu. A.
  Opredelenie dvizheniia shel'fovogo lednika Lazareva po izmeneniiu koordinat astronomicheskogo punkta [Determination of the Lazarev Ice Shelf movement by the variation of

an astrofix position] (*with* **Pinter, S.**) [and Eng. transl.], 19.3-666
Opredelenie skorosti i napravleniia dvizheniia lednikov v raione stantsii Novolazarevskoi [Determination of speed and direction of glacier movements in the area of Novolazarev Station] (*with* **Pinter, S.** and **Simonov, I. M.**) [and Eng. transl.], 19.3-667

Krueger, A.
Present state of absolute flux density spectra in the cm- and dm- region, 19.9-31

Kruger, H. B.
Statistical-dynamical objective analysis scheme: Supplement No. 1 (*with* **Asselin, J. M. R.**), 19.11-178

Krupenio, N. N.
Otrazhenie radiolokatsionnykh signalov ot poverkhnosti Luny [Reflection of radar signals from the lunar surface] [and Eng. transl.], 19.4-572

Krutch, Joseph Wood
Lightning water, 19.12-367

Kruzhkova, T. S.
Nekotorye osobennosti vnutritropicheskoi zony konvergentsii v vostochnom polusharii [Some characteristics of the intertropical convergence zone of the Eastern Hemisphere], 19.8-728

Krylov, E. V.
Otsenka tochnosti veroiatnostnykh kharakteristik dlia sviaznykh meteorologicheskikh vremennykh riadov [Evaluation of the accuracy of probability characteristics for correlational meteorological time series] (*with* **Marchenko, A. S.**), 19.11-109

Krylova, L. M.
K voprosu o vliianii vlazhnosti na velichinu plotnosti vozdukha i na ee sviazi s termodinamicheskimi parametrami [Effect of humidity on air density and on its relations to thermodynamic parameters], 19.7-217

Krymskii, G. F.
Application of a unidimensional-diffusion model to the propagation of solar cosmic rays [Transl. from Russ.], 19.1-15
Raspredelenie kosmicheskikh luchei i priemnye vektory detektorov, IV [Cosmic ray distribution and the receiving vectors of detectors, Pt. 4] (*with others*) [and Eng. transl.], 19.4-484
See also **Kuz'min, A. I.,** 19.1-15; **Skripin, G. V.,** 19.1-15

Kryndin, A. N.
Rol' temperaturnogo polia okeana v formirovanii anomalii atmosfernoi tsirkuliatsii i anomalii surovosti zim na moriakh na primere severo-zapadnoi chasti Tikhogo okeana [Role of ocean temperature field in the formation of atmospheric circulation anomalies and anomalies of the severity of winters at sea using the north-western part of the Pacific Ocean as an example], 19.8-736

Krynskii, V. M.
Opredelenie dozdevogo stoka po osadkam i vlagozapasam na stokovykh ploshchadkakh s glinistymi pochvo-gruntami [Runoff determination according to the precipitation and moisture content on runoff plots with clay soils], 19.7-829

Kryzhanovskaia, A. B.
Calculating water inflow to a reservoir by individual travel-time curves with varying parameters [Transl. from Russ.], 19.9-834
Prognozirovanie ezhednevnogo pritoka vody v vodokhranilishche s primeneniem elektronnykh modeliruiushchikh ustroistv [Forecasting daily reservoir inflow with analog computers], 19.9-237

Kryzhanovskaia, A. P.
Kolichestvo tsiklonov i antitsiklonov u poverkhnosti Zemli nad severnym polushariem v 1964 g [Number of cyclones and anticyclones at the surface of the Earth over the Northern Hemisphere in 1964], 19.11-326

Kubinski, Stanley F.
Comparative evaluation of the automatic tracking pilot-balloon wind measuring system, 19.3-54

Kubo, Masafumi
Probable level of wave crest for the design of coastal structures (*with* **Takezawa, M.**), 19.10-766

Kubose, D. A.
Radioactivity release from radionuclide power sources, Pt. 6 (*with others*), 19.7-739
See also **Cordova, H. I.,** 19.6-82

Kubota, Isao
On the asymmetric annual variation of the temperature and solar radiation in the tropics, 19.11-341

Kuchment, L. S.
O raschetnom intervale vremeni v metodakh rascheta neustanovivshegosia dvizheniia vody v reke po krivym ob"emov [The computational time interval in methods of calculating non-stationary movement of water in a river on the basis of curves of volumes], 19.9-828
Raschety gidrografov stoka na krupnykh rechnykh sistemakh [Calculation of runoff hydrographs on large river systems] (*with* **Nechaeva, N. S.**), 19.9-864
See also **Koren', V. I.,** 19.3-715; 19.9-863

Kuchta, Edmund
Wiatry nad Baltykiem poludniowym [Winds over the southern Baltic], 19.6-331

Kuck, George A.
Charged particle fluxes in the inner Van Allen belt prior to the July 9, 1962 high altitude nuclear test, 19.10-624
Rocket measurement of low energy protons, 19.4-534
Terrestrial magnetic field effects on an electrostatic analyzer, 19.2-441

Kudlo, B. P.
Some data on the water exchange between the Barents and Norwegian Seas [Transl. from Russ.], 19.4-661

Kudo, Shoko, *see* **Wada, M.,** 19.5-451

Kudriavtsev, N. F.
About the choice of effective constructions of the measurement instruments and their optimal parameters for the measurement of sea-currents

in the undulating water layer (*with* **Nikiforov, E. G.**) [Transl. from Russ.] [Comments by J. Karwowski], 19.1-534
Opyt izmereniia deniveliatsii urovennoi poverkhnosti na dreifuiushchikh l'dakh Tsentral'noi Arktiki [Some experiments in measurement of sea level changes near drift ice in the Central Arctic], 19.2-249

Kuebler, Gerhard
Spektren der Turbulenz im Wind der bodennahen Luftschicht [Turbulence spectra in the wind near the ground], 19.6-245

Kuehn, W.
Principal considerations and limiting factors concerning the application of depth and surface equipment for soil density measurements with gamma-rays, 19.8-757

Kuettner, Joachim P., *see* **Davis, W. O.,** 19.9-647

Kuhn, Peter M.
Nimbus II and balloon infrared radiation analyses over the Antarctic, 19.12-243
See also **Suomi, V. E.,** 19.5-16

Kuhns, Ingo E.
Nucleation of water droplets at deep supercooling in different gaseous environments, 19.12-384
Supercooling and freezing of small water droplets falling in air and other gases (*with* **Mason, B. J.**), 19.8-416

Kuiper, Gerard P.
Interpretation of Ranger VII records, 19.6-588

Kukin, L. M., *see* **Fedoseev, L. I.,** 19.10-660

Kulieva, R. N.
30-letnie tsiklicheskie variatsii geomagnitnogo polia i otsenka po nim elektricheskoi provodimosti glubokikh sloev Zemli [30-year cyclic variations of the geomagnetic field and the estimation from them of electrical conductivity of the Earth's deep layers] [and Eng. transl.], 19.5-493

Kulik, E. Z., *see* **Bruevich, S. V.,** 19.7-749

Kulik, V. Ia.
Issledovanie vpityvaniia vody v pochvu na osnove teorii razmernosti [Studying the infiltration of water by the soil on the basis of the theory of dimensional analysis], 19.9-527
On characteristics of stored water in the soil in water balance calculations [Transl. from Russ.], 19.11-808

Kulikov, Iu. N.
Utochnennyi metod izmereniia ispareniia s pakhotnogo polia [More accurate method for measuring evaporation from arable fields], 19.12-92

Kulikov, V. N., *see* **Ivanova, N. S.,** 19.11-353

Kulkarni, R. N., *see* **Berson, F. A.,** 19.8-245

Kulmala, Antti, *see* **Kauranen, P.,** 19.5-183

Kulshrestha, S. M.
Radar-climatology of Delhi and neighborhood: occurrence of severe weather (*with* **Jain, P. S.**), 19.4-78
Radar-hydrology and its application in India, 19.7-112
Radio-climatology of India, Pt. 3 (*with* **Chatterjee, K.**), 19.4-199; Pt. 4, 19.6-231

Kumai, Motoi
Fog modification on the Greenland Ice Cap, 19.11-224
Hexagonal and cubic ice at low temperatures, 19.7-765

Kumar, V. R. Jagath, *see* **Jagath Kumar, V. R.**

Kumazawa, Yoshiro, *see* **Takahashi, T.,** 19.6-153

Kundu, M. M.
Radar study of line type echoes as observed at Agartala aerodrome, Tripura during Feb.-Oct. 1964 (*with* **De, A. C.**), 19.4-79

Kundu, M. R.
Lunar occultation of a solar active region at 4 cm wavelength (*with* **Velusamy, T.**), 19.8-689
Possible interpretation of pulses from a radio source (*with* **Chitre, S. M.**), 19.11-624

Kung, Ernest C.
Diurnal and long-term variations of the kinetic energy generation and dissipation for a five-year period, 19.1-172
On the momentum exchange between the atmosphere and Earth over the Northern Hemisphere, 19.10-239

Kung, Robert J.
Ultra low-speed anemometry (*with* **Binder, G. J.**), 19.7-147

Kuniavskaia, M. V.
Teplovoi balans Novosibirskogo vodokhranilishcha [Heat balance of Novosibirsk Reservoir] (*with* **Kuniavskii, M. Ia.** and **Suslova, L. V.**), 19.1-174
See also **Kirillova, T. V.,** 19.1-205

Kuniavskii, M. Ia., *see* **Kuniavskaia, M. V.,** 19.1-174

Kunin, V. N.
Chto proizoidet s nashimi vnutrennimi moriami? (Kaspii, Aral i problemy orosheniia) [What will be the fate of our internal seas? (The Caspian, the Aral Sea and the irrigation problems)], 19.5-702

Kunkle, Samuel H.
Water quality of mountain watersheds (*with* **Meiman, J. R.**), 19.2-599

Kuo, Chi Yunn
Some characteristics of the monsoon climates in China (*with* **Kao, Y. H.**), 19.9-28
See also **Kao, Y. H.,** 19.9-28

Kuo, H. L.
On inclusion of latent heat released by deep cumulus convection in large-scale dynamics and application to hurricane development problem, 19.4-233
Thermal interaction between the atmosphere and the Earth and propagation of diurnal temperature waves, 19.12-188

Kuperov, L. P.
High frequency short-wave radio communications between the Northern Hemisphere and Antarctica [Transl. from Russ.], 19.4-50

Kupetskii, V. N.
Teplo arkticheskikh polynei [The heat of Arctic ice-free water patches], 19.1-26

Kupferman, R. A., *see* **Breitling, W. J.,** 19.3-385

Kupianskaia, A. P.
O transformatsionnykh izmeneniiakh tempera-

tury vozdukha na vysotakh v raione Baltiiskogo moria [Transformational changes of upper air temperature in the Baltic Sea area], 19.3-216

Kupperian, James E., Jr., *see* **Kondo, Y.,** 19.4-474

Kurahashi, Katsunori, *see* **Kamada, T.,** 19.10-536

Kurbatkin, G. P., *see* **Vorob'eva, A. G.,** 19.12-275

Kurchatova, G.

Kharakteristika zagriazneniia atmosfernogo vozdukha Sofii [Features of atmospheric pollution in Sofia] (*with* **Andrev, V.**), 19.12-147

Kurdin, V. P., *see* **Butorin, N. V.,** 19.6-776

Kureiko, I. A., *see* **Prikhot'ko, G. F.,** 19.3-291

Kurilenko, Iu. Ia., *see* **Krasnogorskaia, N. V.,** 19.12-356

Kurilova, Iu. V.

O vertikal'noi strukture polei dlinnovolnovoi radiatsii [Vertical structure of long wave radiation field] (*with* **Fedorov, Iu. K.**), 19.4-257

See also **Belov, P. N.,** 19.3-77; **Karpova, V. M.,** 19.5-67

Kurnosova, L. V.

Izmereniia potokov iader kosmicheskikh luchei v period minimuma solnechnoi aktivnosti 1964-1965 godov [Measurements of fluxes of cosmic ray nuclei in the period of minimum solar activity in 1964-1965] (*with others*) [and Eng. transl.], 19.4-485

Preimushchestvennoe uskorenie tiazhelykh iader v protsesse generatsii solnechnykh kosmicheskikh luchei [Preferential acceleration of heavy nuclei in the process of solar cosmic ray generation] (*with others*) [and Eng. transl.], 19.9-626

Kuroda, P. K., *see* **Beck, J. N.,** 19.1-168; **Thein, M.,** 19.9-301

Kuroiwa, Daisuke

Micromeritical properties of snow (*with* **Mizuno, Y.** and **Takeuchi, M.**), 19.12-385

See also **Nakaya, U.,** 19.12-410

Kuronuma, Shin Ichi, *see* **Miyazaki, M.,** 19.11-743

Kurt, V. G.

Nabliudeniia rasseiannogo L_α-izlucheniia v okrestnostiakh zemli i v mezhplanetnoi srede [Observations of diffuse L_α radiation near the Earth and in interplanetary space] [and Eng. transl.], 19.9-353

Kurth, Rufoff

Introduction to stellar statistics, 19.11-24

Kurucz, Robert, *see* **Carbon, D.,** 19.9-712

Kuryshev, V. I., *see* **Artemkin, E. E.,** 19.5-362

Kusakabe, Masao

Climatology of snow in Shikoku district, 19.12-406

Climatology of sultriness, Pt. 2, 19.2-58

Kusano, Hiromitsu

Growth and vertical structure of instability lines in the Sea of Kii Straits, 19.10-273

Kusumanto, –

Ionospheric data as obtained by a rocket in Indonesia (*with others*), 19.8-516

Modifications of ion-densities due to temperature variations (*with* **Lonan, R.**), 19.10-499

Kusunoki, Kou

Gigantic iceberg in Luetzow-Holm Bay, Antarctica, 19.11-746

Report of summer party of 8th Japanese Antarctic Research Expedition in 1966-1967, 19.7-126

Kutzbach, G.

Temperature variations and vertical motion in the free atmosphere over Antarctica in the winter (*with* **Schwerdtfeger, W.**), 19.12-262

Kutzbach, John E.

Empirical eigenvectors of sea-level pressure, surface temperature and precipitation complexes over North America, 19.2-322

Evaluation of the thermal Rossby number in the pleistocene (*with* **Bryson, R. A.** and **Shen, W. C.**), 19.11-323

Kuvaeva, G. M.

Fizicheskie svoistva snezhnogo pokrova Bol'shogo Kavkaza [Physical properties of the snow cover of the Greater Caucasus] (*with others*), 19.6-9

Kuwabara, S.

Nonlinear instability of plane Couette flow, 19.10-240

Kuzhevskii, B. M.

Issledovaniia kosmicheskikh luchei na ISZ "Kosmos-19" i "Kosmos-25" [Investigation of cosmic rays on the artificial Earth satellites "Kosmos-19" and "Kosmos-25"] (*with others*) [and Eng. transl.], 19.4-386

O generatsii iader deiteriia v kosmicheskikh luchakh [Generation of deuterium nuclei in cosmic rays], 19.2-435

Kuziemski, Jerzy

Wplyw morza na ksztaltowanie sie temperatury powietrza w strefie brzegowej (na przykladzie Kolobrzegu) [Effect of the sea on air temperature formation in the coastal zone (from the example of Kolobrzeg)] (*with* **Lutowska-Dziadziuszko, B.**), 19.11-496

Kuzin, P. S.

Printsipy izucheniia prostranstvennykh gidrologicheskikh zakonomernostei [Principles of investigation of dimensional hydrological regularities], 19.11-785

Kuzkov, A. A.

Is there a problem of desiccation of Asia? [Transl. from Russ.], 19.7-452

Sushchestvuet li problema usykhaniia Azii? [Does the problem of the desiccation of Asia exist?], 19.5-348

Kuz'min, A. I.

Cosmic-ray bursts (*with* **Krymskii, G. F.**) [Transl. from Russ.], 19.1-15

Cosmic rays in July 1961 (*with others*) [Transl. from Russ.], 19.1-15

Effect on cosmic rays of a variation in the geomagnetic thresholds (*with* **Krymskii, G. F.**) [Transl. from Russ.], 19.1-15

Some results of azimuthal measurements of cosmic-ray variations at Yakutsk (*with others*) [Transl. from Russ.], 19.1-15

Study of temperature fluctuations of the upper atmosphere, according to data of underground cosmic-ray measurements (*with others*) [Transl. from Russ.], 19.1-15

Kuzmin, P. P.
Methods used by meteorological stations for determining the rate of snow melting [Transl. from Russ.], 19.9-524
Kuznetsov, I. V.
Uroven' Ladozhskogo ozera [Water level of Lake Ladoga], 19.8-769
Kuznetsov, Nikolai Mikhailovich
Termodinamicheskie funktsii i udarnye adiabaty vozdukha pri vysokikh temperaturakh [Thermodynamic function and shock adiabats air at high temperatures], 19.10-4
Kuznetsova, M. A.
Raspredelenie vlazhnosti v oblachnoi atmosfere [Atmospheric humidity distribution in the presence of clouds] [and Eng. transl.], 19.5-280
Kuznik, I. A.
Katastroficheskie livnevye pavodki v Nizhnem Povolzh'e [Disastrous storm floods in the Lower Volga area] (*with* **Lastochkin, G. V.**), 19.9-510
Kvifte, G. J.
Hydroxyl rotational temperatures and intensities in the nightglow, 19.3-414
See also **Rosenberg, T. J.**, 19.2-405
Kyle, T. G.
Error in the Aangstroem pyrheliometric scale, 19.5-124
Kyoto, Japan. Univ. Disaster Prevention Research Institute
Outline of the history and activities of the Disaster Prevention Research Institute, 19.2-34
Kyoto, Japan. Univ. Geophysical Institute
Papers on Oceanography and Hydrology, 1963-1965, 19.12-20

L

Laaspere, T.
Whistler precursors (*with* **Wang, C. Y.**), 19.7-489
Labeyrie, J.
Etude des temperatures des climats anciens par la mesure de l'oxygene-18, du carbone-13 et du carbone-14 dans les concretions des cavernes (*with others*), 19.11-483
Labitzke, Karin (Behr)
On the relation between stratosphere and troposphere during periods of stratospheric warmings in winter, 19.3-219
See also **Berggren, R.**, 19.12-157
Labunskaia, L. S.
O privedenii osadkov, izmerennykh dozhdemerom [Reduction of precipitation measured by a rain gage], 19.11-154
Labzovskii, N. A.
Metod prognoza morskikh navodnenii v Leningrade na osnove chislennogo integrirovaniia uravnenii melkoi vody [Method of forecasting sea floods in Leningrad on the basis of numerical integration of equations of shallow water] (*with others*), 19.6-180
Lacaze, J.
Contribution a la theorie du jet vertical et de l'enclume dans un cumulonimbus, 19.10-390
Couche limite au voisinage d'un obstacle, 19.5-274
LaChapelle, Edward R.
Avalanche forecasting: a modern synthesis, 19.3-346
Control of snow metamorphism by chemical agents (*with* **Stillman, R. M.**), 19.3-323
Glaciers, 19.4-729
Lackey, Earl E.
General nomograph for normal and skewed frequency distributions: climatological and other applications, 19.11-111
Lacombe, C.
Bandes de bruit de l'ionosphere: rayonnement gyromagnetique incoherent d'electrons suprathermiques, 19.10-540
Lacoume, J. L.
Etude de la propagation des ondes electromagnetiques dans un magnetoplasma stratifie, 19.10-73
Lacourly, S., *see* **Gendrin, R.**, 19.11-578
Lacy, R. E.
Tornadoes in Britain during 1963-1966, 19.8-310
Laevastu, T. L.
Analysis and prediction of the depth of the thermocline and near-surface thermal structure (*with* **Hubert, W. E.**), 19.11-198
Cloud factor in long-wave radiation formulas, 19.2-92
See also **Wolff, P. M.**, 19.8-187
Laffineur, M.
Radioastronomie a l'observatoire de Haute-Provence du C.N.R.S., 19.9-31
LaFond, Eugene C.
Internal thermal structures in the ocean (*with* **LaFond, K. G.**), 19.1-558
Introduction [to oceanographic activities of the U. S. Navy Electronics Laboratory, Sept. 1965-Sept. 1966], 19.3-10
LaFond, Katherine G., *see* **LaFond, E. C.**, 19.1-558
Lagos, C. Pablo
On the dynamics of the thermosphere, 19.9-280
See also **Dickinson, R. E.**, 19.12-474
LaGrone, Alfred H.
Report of bistatic radar experiment designed to measure the in-cloud drop size distribution function, 19.7-113
See also **Dobbins, D. L.**, 19.12-308
Lagutin, B. L., *see* **Al'tman, E. N.**, 19.5-666
Lahmann, Erdwin
Determining phenol in air, 19.8-232
Lai, M. G.
Concentration of mixed fission products from sea-water by Chelex 100 (*with* **Goya, H. A.**), 19.6-663
See also **Goya, H. A.**, 19.6-662
Laikhtman, David L'vovich
O vliianii planetarnogo pogranichnogo sloia na protsessy bol'shogo masshtaba [Influence of the planetary boundary layer on large-scale processes], 19.4-184
Zadachnik po dinamicheskoi meteorologii [Exercises in dynamic meteorology] (*with* **Gandin, L. C.**) (*eds.*), 19.5-1

See also **Bobyleva, I. M.**, 19.9-428; **Vorob'eva, A. G.**, 19.12-275
Laird, A. R.
Computation and application of synoptic ionospheric profiles (*with* **Wright, J. W.**), 19.2-371
Lake, John K.
Versatile approach to automatic weather stations, 19.4-125
Lake, Robert Alan
Heat exchange between water and ice in the Arctic Ocean, 19.3-664
Laktionov, A. F.
Abridged list of Soviet literature on Arctic Basin research by high-latitude expeditions and drifting stations, 1937-1962 (*with* **Romanovich, Z. S.**) [Transl. from Russ.], 19.3-31
See also **Vangengeim, G. Ia.**, 19.9-20
Laktionov, A. G.
Ob aspiratsii aerozolia v vertikal'nuiu trubku iz poperechnogo k nei potoka [Aerosol aspiration into a vertical tube from a transverse air stream], 19.11-167
Raspredelenie oblachnykh iader kondensatsii po vysote v svobodnoi atmosfere [Distribution of cloud condensation nuclei with altitude in a free atmosphere] [and Eng. transl.], 19.7-388
Sravnenie dvukh fotoelektricheskikh priborov dlia opredeleniia razmerov i kontsentratsii aerozol'nykh chastits [Comparing two photoelectric devices for determining the size and concentration of aerosol particles], 19.8-153
Lal, Devendra
Activation of cosmic dust by cosmic-ray particles (*with* **Venkatavaradan, V. S.**), 19.7-574
Cosmic ray produced radioactivity on the Earth (*with* **Peters, B.**), 19.10-593
Lally, Vincent E.
Extremely simple automatic weather station (*with* **Lichfield, E. W.** and **Ruttenberg, S.**), 19.4-126
Project GHOST (*with* **Rickel, A. B.**), 19.9-164
Use of satellites to track GHOST balloons, 19.9-165
Lamar, William L.
Chemical character and sedimentation of the waters, 19.7-801
Lamb, Dennis, *see* **Moore, J. G.**, 19.3-208
Lamb, H. H.
Britain's changing climate, 19.9-536
On climatic variations affecting the far south, 19.12-433
Volcanic dust, melting of ice caps, and sea levels, 19.12-229
Lamb, Robert C.
Standardizing meteorological instrument testing (*with* **Pharo, J. A.**), 19.1-98
Lambert, D. L.
Absolute wavelengths of Fraunhofer lines: convective motions in the solar photosphere and the gravitational red shift (*with* **Mallia, E. A.**), 19.12-626
Forbidden Carbon 1 lines in the solar spectrum (*with* **Swings, J. P.**), 19.1-505
Simplified model solar atmosphere, 19.7-683
Lambert, G.
Datation d'une carotte de neve de la bordure de l'Antarctique par la mesure de la radioactivite naturelle et artificielle (*with* **Lorius, C.** and **Ardouin, B.**), 19.6-421
See also **Grjebine, T.**, 19.8-227
Lamberth, Roy L., *see* **Glass, R. I.**, 19.3-92; **Reynolds, R. D.**, 19.9-469
Lambor, Julian
Hydrologic forecasting methods [Transl. from Polish], 19.6-1
Lampson, Butler W., *see* **Deutsch, L. P.**, 19.9-210
Lampton, M.
Daytime observations of energetic auroral-zone electrons, 19.4-555
Landau, Emanuel
Economic aspects of air pollution as it relates to agriculture, 19.6-207
Landecker, T. L., *see* **Yates, K. W.**, 19.5-544
Landers, H.
Climate of 1967 in South Carolina, 19.9-532
Mesoscale analysis of monthly temperature in South Carolina, 19.12-247
Landers, John N.
Irrigation for frost protection (*with* **Witte, K.**), 19.7-200
Landini, M.
Metodo delle eclissi per determinare la densita atmosferica per mezzo di misure di raggi X solari compiuta da satelliti artificiali (*with* **Russo, D.** and **Tagliaferri, G. L.**), 19.9-252
Landis, Robert C.
Effects of Hurricane Betsy upon Atlantic Ocean temperature, based upon radio-transmitted data (*with* **Leipper, D. F.**), 19.12-208
Landmark, Bjoern
Experimental studies of the Arctic D-region, 19.11-541
Structure and formation of the D-region, 19.9-30
Landsberg, Helmut E.
Climate, man, and some world problems, 19.10-466
Some early Philadelphia, Pennsylvania temperature records, 19.6-116
World climatic regions in relation to irrigation (*with* **Schloemer, R. W.**), 19.7-441
See also **Driscoll, D. M.**, 19.8-66
Lane, A. L.
Real time monitoring of the ocean effect on coded acoustic transmission (*with* **Crisafulli, D. M.**), 19.1-538
Lane, J. A.
Experimental investigations of refractive-index variations in the troposphere, 19.9-30
Measurements with a spaced-cavity microwave refractometer, 19.9-292
Lang, August
Ein neuer Mikro-Thermohygrograph fuer agrar- und laderaummeteorologische Messungen [New micro-thermohygrograph for agro- and ships' hold meteorological measurements] [Summarized by Dr. Hoeller], 19.7-140
Lang, H.
Ueber den Tagesgang im Gletscherabfluss [Diurnal variation of glacial runoff], 19.5-336

- **Lang, Virgil D.,** *see* **Hansen, F. F.,** 19.6-323
- **Lang, William A.,** *see* **Elliott, R. D.,** 19.6-189
- **Lange, G. Robert**
  - Saturation, phase composition and freezing point depression in a rigid soil model (*with* **McKim, H. L.**), 19.6-318
- **Lange, R.**
  - Trocken-heisser und feucht-warmer "Schirokko" [Dry-hot and moist-warm sirocco], 19.5-253
  - Was versteht man an den Mittelmeerkuesten unter "Schirokko"? [What is meant by "sirocco" on the Mediterranean Sea coasts?], 19.4-296
- **Lange-Hesse, Guenther**
  - Radio aurora, Pt. 1-2, 19.2-400
- **Langer, G.**
  - Ice nucleation efficiency of silver iodide at -20°C on a particle count basis (*with* **Lieberman, A.** and **Rosinski, J.**), 19.2-128
  - Ice nuclei generated by steel mill activity, 19.11-266
  - *See also* **Nagamoto, C. T.,** 19.4-324
- **Langford, D. T. A.**
  - High-frequency radio transmitters for automatic weather stations, 19.4-127
  - Programme unit for automatic weather stations, 19.4-128
  - Sensors and associated circuits for automatic weather stations, 19.4-129
- **Langille, A. R.,** *see* **McKee, G. W.,** 19.5-46
- **Langleben, M. P.,** *see* **Pounder, E. R.,** 19.2-317
- **Langseth, Marcus G., Jr.**
  - Recent heat flow measurements in the Indian Ocean (*with* **Taylor, P. T.**), 19.5-686
  - *See also* **LePichon, X.,** 19.5-687
- **Langway, C. C., Jr.,** *see* **McCorkell, R.,** 19.4-725
- **Langworthy, B. M.,** *see* **Harrington, J. V.,** 19.9-670
- **Lansinger, John M.**
  - Auroral zone radio star scintillation measurements and interpretations, 19.8-517
  - *See also* **Fremouw, E. J.,** 19.1-58
- **Lanterman, William S., Jr.**
  - Line Islands Experiment (*with* **Masterson, J.** and **Van de Boogaard, H.**), 19.9-122
- **Lantos, Pierre**
  - Model for thermal gyromagnetic radioemission from solar active regions, 19.11-618
- **Lanzerotti, L. J.**
  - Comparison of the electron response in the magnetosphere at L = 5 with the solar wind during the April 17-18, 1965, magnetic storm, 19.6-546
- **Lapcheva, V. F.**
  - Sopostavlenie rezul'tatov radiolokatsionnykh issledovanii konvektivnykh oblakov s mekhanizmom obrazovaniia osadkov [Comparison of results of radar investigations of convective clouds with the mechanism of precipitation formation], 19.9-142
  - *See also* **Sulakvelidze, G. K.,** 19.5-11
- **Lappe, U. O.**
  - Preliminary evaluation of the F-100 Rough Rider turbulence measurement system, 19.6-324
  - Some aspects of boundary-layer turbulence over land and ocean (*with* **Kirwan, A. D., Jr.** and **Adelfang, S. I.**), 19.11-386
- **Lappo, D. D.**
  - Volnovoe davlenie na vertikal'nye kruglotsilindricheskie pregrady [Wave pressure on vertical round cylindrical barriers] (*with* **Kaplun, V. V.**) [and Eng. transl.], 19.6-688
- **Lapshova, L. P.**
  - Isparenie i teplovoi balans khlopkovogo polia Vakhshskoi doliny Tadzhikistana [Evaporation and heat balance in a cotton field in the Vakhsh Valley of Tadzhikistan], 19.4-317
- **Lapteva, L. M.**
  - Metod prognozirovaniia kolichestva livnevykh osadkov [Method of forecasting amount of snow precipitation], 19.9-227
  - Raschet ball'nosti konvektivnykh oblakov s pomoshch'iu metoda sloia [Calculation of the amount of convective clouds using the layer method], 19.7-270
- **Large, David B.**
  - Resonances of a cylindrical Earth-ionosphere cavity model with a dipolar magnetic field (*with* **Wait, J. R.**), 19.3-393
  - Resonances of the thin-shell model of the Earth-ionosphere cavity, 19.1-375
  - Theory of electromagnetic coupling phenomena in the Earth-ionosphere cavity (*with* **Wait, J. R.**), 19.12-495
  - *See also* **Jean, A. G.,** 19.6-487
- **La Roche, U.**
  - Optical window with boundary layer control, 19.8-158
- **Larras, Jean**
  - Nouvelles recherches sur la probabilite d'apparition des houles dont l'amplitude depasse une valeur donnee, 19.5-694
- **Larsen, Lawrence H.**
  - Flow over obstacles of finite amplitude, 19.10-393
- **Larson, Stephen M.**
  - Observations of comet Ikeya-Seki (1965f) from Tucson, Arizona, 19.3-586
- **Larsson, Peter**
  - Boundary layer wind profiles from an Arctic Ocean site, 19.1-27
- **LaSeur, Noel E.**
  - Equivalent potential temperature as a measure of convective and synoptic scale disturbances of the tropical atmosphere, 19.9-307
  - On the description and understanding of hurricane structure, 19.8-306
  - *See also* **Garstang, M.,** 19.3-155
- **Lassen, Knud**
  - Polar cap aurora, 19.2-401
- **Lastochkin, G. V.,** *see* **Kuznik, I. A.,** 19.9-510
- **Laszloffy, Woldemar**
  - Die Eisverhaeltnissee der Donau [Ice conditions of the Danube], 19.5-722
- **Lateef, M. A.**
  - Vertical motion at 100 mb in the tropics, 19.9-404
  - Vertical motion, divergence, and vorticity in the troposphere over the Caribbean, Aug. 3-5, 1963, 19.3-167

Latham, Gary V.
  Pressure variations produced at the ocean bottom by hurricanes (*with* **Anderson, R. S.** and **Ewing, M.**), 19.2-172
Latham, J., *see* **Abbas, M. A.**, 19.4-395; **Azad, A. K.**, 19.2-331; 19.3-262
Latini, R. G.
  Freezing process for desalting saline waters (*with others*), 19.8-727
Latypova, R. Kh., *see* **Ivanov, K. G.**, 19.8-510
Laughlin, Winston M., *see* **Allen, L. D.**, 19.5-47
Laurence, R. L., *see* **Bayens, C. A.**, 19.12-324
Lauritzen, C. W.
  Reducing water losses in conveyance and storage (*with* **Terrell, P. W.**), 19.7-373
Lauscher, F.
  Extreme Stundenwerte des Niederschlages in den Ostalpenlaendern in meteorologischer und technischer Betrachtung [Extreme hourly precipitation values in the eastern Alps from the view-point of meteorology and technology], 19.5-312
Lauter, E. A.
  Diurnal and seasonal variations of ionospheric absorption on medium and low frequencies (*with* **Cumme, G.** and **Nitzsche, P.**), 19.10-541
  See also **Gloede, P.**, 19.10-524
Lautman, Don A., *see* **Shapiro, I. I.**, 19.1-148
Lavakare, P. J., *see* **Chupp, E. L.**, 19.8-554
La Valle, Lodovico
  Sulla circolazione planetaria alle latitudini intermedie, 19.9-308
LaViolette, Paul E.
  Satellite photograph of Pacific Ocean currents (*with* **Chabot, P.**), 19.1-563
  Temperature, salinity, and density of the World's Seas: Arabian Sea, Persian Gulf, and Red Sea (*with* **Frontenac, T. R.**), 19.2-545; . . . Bay of Bengal and Andaman Sea, 19.5-643; . . . Indonesian seas (*with* **Frontenac**), 19.12-728; . . . Sea of Japan (*with* **Hamilton, D. R.**), 19.10-721; . . . Yellow Sea (*with* **Seim, S. E.**), 19.10-722
  See also **Hamilton, D. R.**, 19.12-718
Lavrent'ev, P. F., *see* **Baidal, M. Kh.**, 19.10-454; **Golubtsov, V. V.**, 19.11-206
Lavrov, A. P., *see* **Zektser, I. S.**, 19.3-699
Lawless, G. P., *see* **Nixon, P. R.**, 19.8-411
Lawrence, E. N.
  Atmospheric pollution during spells of low-level air temperature inversion, 19.2-138
  Changes in air temperature at Manchester Airport, 19.7-318
Lawrence, R., *see* **Dulk, G.**, 19.4-570
Lawson, T. V.
  Measurement of rapidly varying pressures, 19.12-293
  Methods of producing velocity profiles in wind tunnels, 19.7-338
  See also **Simpson, A.**, 19.12-301
Lazanoff, Sheldon M.
  Comparison between predicted and observed times of high and low waters for My Tho, Republic of South Vietnam, January through March 1967, 19.12-748
  See also **Burns, D. A.**, 19.11-208
Lazarenko, N. N.
  Sostoianie i perspektivy razvitiia metodov avianabliudenii v okeane [State and prospects of the development of aircraft observations over the ocean], 19.6-643
Lazarenko, T. A., *see* **Dolbilkina, N. A.**, 19.3-661
Lazarev, G. E., *see* **Kotliakov, V. M.**, 19.3-312, 313
Lazarev, R. G.
  O nekotorykh statisticheskikh kharakteristikakh meteornoi materii v okrestnosti zemnoi orbity [Some statistical characteristics of meteoric matter in the vicinity of the Earth's orbit] [and Eng. transl.], 19.4-580
Lazarus, A. J.
  Plasma and magnetic field observations during the magnetosphere passage of Pioneer 7 (*with* **Siscoe, G. L.** and **Ness, N. F.**), 19.7-613
Lea, Duane A.
  Vertical ozone distribution in the lower troposphere near an urban pollution complex, 19.7-218
Leacock, R. A.
  Search for fractionally charged particles in the solar photosphere (*with* **Beavers, W. I.** and **Daub, C. T.**), 19.8-343
Leadabrand, Ray L.
  Correlation of radar echoes from the aurora with satellite-measured auroral particle precipitation (*with* **Hodges, J. C.**), 19.2-402
Leahey, D. M.
  Explanation for the observed ice growth at Port Harrison, 19.6-699
  Sea ice growth in Arctic Canada, 19.4-703
Learmonth, A. T. A., *see* **Spate, O. H. K.**, 19.10-9
Lebeau, Andre
  Courants electriques dans l'ionosphere des calottes polaires (*with* **Mendel, A.**), 19.10-542
  Intensite moyenne des courants electriques dans l'ionosphere des calottes polaires en fonction de l'activite magnetique planetaire (*with* **Mendel, A.**), 19.9-592
  See also **Berthelier, J.**, 19.3-451
Lebedev, Aleksei Nikolaevich
  Klimaticheskii spravochnik Afriki, Chast' I [Climatological reference work on Africa, Pt. 1], 19.11-15; Pt. 2, 19.11-16
  Klimaty Afriki [Climates of Africa] (*with* **Sorochan, O. G.**), 19.2-6
Lebedev, S. L.
  O protsessakh v atmosfernoi konvektivnoi iacheike s oblakom [Processes in an atmospheric convection cell including a cloud], 19.9-309
  See also **Ermoshina, L. I.**, 19.5-286
Lebedev, V. V.
  O vychislenii srednikh raskhodov vodotokov [Calculation of mean channel discharge], 19.9-860
Lebedeva, L. N., *see* **Volostnyzh, B. V.**, 19.1-546
Lebedeva, N. D.
  Dolgosrochnye prognozy pritoka vody v vodokhranilishche Kamskoi GES [Long range forecasts of flow into the Kama Hydroelectric Station reservoir], 19.3-113

Lebedinets, V. N.
Droblenie plotnykh meteornykh tel v atmosfere [Fragmentation of meteor bodies in the atmosphere] (*with* **Portniagin, Iu. I.**) [and Eng. transl.], 19.1-492
Meteornoe veshchestvo v okrestnosti orbity Zemli po radionabliudeniiam meteorov [Meteoric matter in the vicinity of the Earth's orbit according to meteor radar observations] (*with* **Kashcheev, B. L.**) [and Eng. transl.], 19.11-629
Lebedinskii, A. I.
Spectral composition of the infrared Earth's radiation into the space according to the results of measurements from the artificial Earth's satellites (*with others*), 19.8-335
Statisticheskie kharakteristiki izlucheniia Zemli v kosmos v diapazone dlin voln 7-26 mk [Statistical characteristics of the Earth's radiation into outer space within the wavelength range of 7-26 μ] (*with others*) [and Eng. transl.], 19.1-217
Die Venus: ein heisser Planet? [Venus: a hot planet?] (*with* **Vakhnin, V. M.**), 19.3-557
See also **Fel'dshtein, Ia. I.**, 19.10-567
Le Blanc, L. R.
Channel capacity of the underwater acoustic data link, 19.8-721
LeBlanc, Lynn L.
Finite-difference methods used in models of the atmospheric boundary layer, 19.11-387
Lebo, G. R., *see* **Smith, A. G.**, 19.3-547
Lebus, U.
Automatic meteorological oceanographic buoy (AMOB), 19.1-524
Le Cam, Lucien M., *see* **Berkeley Symposium on Mathematical Statistics and Probability, 5th, Berkeley, Calif.**, 19.7-12
Ledenev, V. G.
Antarctic convergence in the western part of the Indian sector of the Southern Ocean [Transl. from Russ.], 19.3-642
Lee, A. H., *see* **Wang, C. P.**, 19.4-503
Lee, A. J.
Monitoring the ocean, 19.4-618; 19.7-711
Lee, C. B. H., *see* **Worthley, L. E.**, 19.4-382
Lee, Chung Woo
On the vertical distribution of snow crystals in relation with conditions revealed by two point radiosonde soundings (*with* **Magono, C.**), 19.7-429
Lee, G. Fred
Biological activity in relation to the chemical equilibrium composition of natural waters (*with* **Hoadley, A. W.**), 19.9-810
See also **Brezonik, P. L.**, 19.7-785
Lee, Jean T.
Aerial cloud photography as a technique for observing cloud growth and development (*with* **Kessler, E.**), 19.9-499
Lee, John F.
Ground temperature data of biological significance, 19.6-316
Lee, Lu Ping
Geographical foundation of settlement distribution in the twin rivers valley: Fengshan River and Touchien River, Taiwan, 19.4-370
Lee, Owen S., *see* **Hansen, P. G.**, 19.5-648
Lee, R. W.
Space correlations of 35-GHz transmissions over a 28-km path (*with* **Waterman, A. T., Jr.**), 19.7-85
Lee, Roy
Guide to satellite cloud photo interpretation (*with* **Taggart, C. I.**), 19.9-495
See also **Kagawa, H.**, 19.8-166
Lee, W. C. Y.
Surface wave propagation over a thin plasma layer on a ground plane (*with* **Walter, C. H.**), 19.8-69
Leep, Roy
"Seal of approval", 19.12-106
Lefcort, M. C.
Vibrating wire pressure transducer technology, 19.10-138
Leftin, M.
Numerical maps of monthly median h'F, F2 for solar cycle minimum and maximum (*with* **Ostrow, S. M.** and **Preston, C.**), 19.6-493
Legault, R. R., *see* **Holter, M. R.**, 19.10-136
Legg, A. J.
Diurnal variations of the electron concentration in the topside ionosphere at low and middle latitudes (*with* **King, J. W.** and **Preece, D. M.**), 19.4-432
Reception of ground-based Loran transmissions by the fixed-frequency topside sounder satellite (*with* **Newman, W. S.**), 19.2-63
See also **King, J. W.**, 19.2-367; 19.3-391
Legg, M. P. C., *see* **Watterson, G. A.**, 19.6-399
Lehmann, Hanns Rainer
Abschaetzung turbulenzbedingter magnetischer Fluktuationen in der unteren Ionosphaere [Estimation of turbulence related magnetic fluctuations in the lower ionosphere], 19.7-520
Leifeste, Donald K., *see* **Hughes, L. S.**, 19.5-762
Leighton, R. B.
Magnetic fields in the solar photosphere, 19.3-594
Leinbach, Harold
Midday recoveries of polar cap absorption, 19.2-372
VHF measurements of the ionospheric absorption of cosmic noise-pilot experiment, March 1967 (*with* **Ecklund, W. L.**), 19.9-593
Leipper, Dale F.
Sharp smog bank and California fog development, 19.10-172
See also **Landis, R. C.**, 19.12-208; **Stevenson, R. E.**, 19.9-343
Leistner, Walter
Ueber Ergebnisse von Messungen der mittelwelligen Ultraviolettstrahlung von Hamburg und vom Mt. Wilson (1740 m) und die Beziehungen zur Ozonosphaere und den Sonnenfleckenrelativzahlen [Results of measurement of medium ultraviolet radiation at Hamburg and on Mt. Wilson (1740 m) and relationship to the ozonosphere and to relative sunspot numbers], 19.4-251

Leith, C. E.
Convection in a six-level model atmosphere, 19.3-157

Leith, E. N.
Synthetic antenna data processing by wavefront reconstruction (*with* **Ingalls, A. L.**), 19.9-143

Lejeune, Gerard, *see* **Carru, H.,** 19.11-530

Lekawska, Malgorzata (Degorska)
Note on short-time changes in the vertical distribution of ozone at Belsk, Poland, 19.4-197

Lekhatinov, A. M.
Dendrologicheskii metod ustanovleniia vremeni i periodichnosti prokhozhdeniia selevykh potokov [Dendrological method of determining time and periodicity of rock stream movement], 19.8-457

Lel'chuk, V. L.
Experimental study of the heat transfer from pipe walls to mono-, di-, and triatomic gases at large temperature gradients (*with* **Elfimov, G. I.** and **Fedotov, Iu. P.**) [Transl. from Russ.], 19.11-297

LeLevier, R. E.
Ion chemistry governing mesospheric electron concentrations (*with* **Branscomb, L. M.**), 19.4-191

Lemaire, P.
Stigmatic balloon spectra of the solar Mg II doublet (*with* **Blamont, J. E.**), 19.6-627

Lemanski, Theodore J.
Evaluation of the ITSA 3-D ray-trace program, 19.5-413

Lemberger, Marek
O obliczaniu wartosci ΔZ i ΔH na podstawie pomierzonych wartosci ΔT [Obtaining the values of ΔZ and ΔH on the basis of measured values of ΔT], 19.2-445

Le Mehaute, B.
On the design of laboratory wave facilities, 19.6-645

LeMezec, J.
Probleme du laser monomode de puissance, 19.9-31

Lemon, E. R.
Impact of the atmospheric environment on the integument of plants, 19.6-445
See also **Hunt, L. A.,** 19.6-288

Lena, Pierre J.
Observations of the center-to-limb variation of the solar brightness in the far infrared (10 to 25 microns), 19.7-691

Lenham, A. P.
Analysis of Saturn intensity observations, Pt. 3, 19.3-572

Lenin, A. S., *see* **Chuikin, E. I.,** 19.4-480; 19.5-445

Leningrad. Arkticheskii i Antarkticheskii Nauchno-Issledovatel'skii Institut
Vyacheslav Vasil'evich Frolov: his life and work [Transl. from Russ.], 19.9-74

Leningrad. Gosudarstvennyi Gidrologicheskii Institut
Materialy po maksimal'nomu stoku talykh vod red SSSR [Material on the maximum snow melt runoff of U.S.S.R. rivers], 19.7-830

Leningrad. Univ.
Krupneishie ledniki Srednei Azii - ledniki fedchenko i Zeravshanskii: rezul'taty meteorologicheskikh i gidrologicheskikh issledovanii [Largest glaciers of Central Asia - Fedchenko and Zeravshansk: results of meteorological and hydrological investigations], 19.11-20

Lenoir, William B.
Microwave spectrum of molecular oxygen in the mesosphere, 19.3-145

Lenova, G. V.
Opyt mekhanizirovannogo podbora analogov sinopticheskikh polozhenii [Automatic selection of analogues of synoptic situations], 19.11-196

Lenschow, Donald H.
Concurrent airplane and balloon measurements of atmospheric boundary-layer structure over a forest (*with* **Johnson, W. B., Jr.**), 19.3-68

Leo, Robert E., *see* **Rufenach, C. L.,** 19.7-531

Leonard, Donald A.
Observation of Raman scattering from the atmosphere using a pulsed nitrogen ultraviolet laser, 19.4-67

Leone, Ida A.
Relationship of wind parameters in determining oxidant concentrations in two New Jersey communities (*with* **Brennan, E.** and **Daines, R. H.**), 19.7-228
See also **Daines, R. H.,** 19.6-201

Leong, C., *see* **Garmire, G.,** 19.8-558

Leonov, A. K.
Some characteristics of thermics and currents of the Sea of Japan [Transl. from Russ.], 19.7-746

Leonov, Mikhail Petrovich
Aktivnye vozdeistviia na oblaka v kholodnoe polugodie [Stimuation of clouds during the cold half-year] (*with* **Perelet, G. I.**), 19.11-10
Preliminary results of a study of steady precipitation based on data of a dense rain-gage network [Transl. from Russ.], 19.12-360

Leonov, N. G.
Sinopticheskie usloviia sushchestvovaniia oblachnykh vikhrei [Synoptic conditions for the existence of cloud eddies] (*with others*), 19.4-329

Leont'ev, E. B.
Instrumental'nye nabliudeniia nad dreifom l'da na reide stantsii Molodezhnoi [Instrumental ice drift observations at the approaches to Molodezhnaya Station] [and Eng. transl.], 19.2-250
Nabliudeniia nad kolebaniiami pripaia pod deistviem zybi v zalive Alasheeva [Observations on the fast ice variations due to swell influence in Alasheyev Bay] [and Eng. transl.], 19.2-580
Raspredelenie aisbergov v zalive Alasheeva [Iceberg distribution in Alasheyev Bay] [and Eng. transl.], 19.5-710

Leopold, Henry
Convergence zone width anomaly in the North Pacific, 19.7-734

Leopold, Luna B.
  Observations on unmeasured rivers (*with* **Skibitzke, H. E.**), 19.2-305
Leovy, C. B.
  Energetics of the middle atmosphere, 19.9-310
LePichon, X.
  [Comments on] F. S. Birch: Low values of oceanic heat flow (*with* **Langseth, M.**), 19.5-687
Leray, J.
  Utilisation des echos radar, 1^{re} Partie, 19.11-119
Lerche, I.
  On the boundary layer between a warm, streaming plasma and a confined magnetic field, 19.2-465
Lerfald, G. M., *see* **Holt, O.**, 19.4-141
Lerman, J. C.
  Effect of the Tunguska Meteor and sunspots on radio-carbon in tree rings (*with* **Mook, W. G.** and **Vogel, J. C.**), 19.5-582
Lerman, S., *see* **Darley, E. F.**, 19.5-168
Lermond, J. W.
  Peru current, 19.1-564
Leschiutta, Sigfrido
  Phase regressions on VLF waves at medium distances, 19.11-100
Lessmann, Helmut
  Niederschlagstypen in El Salvador, Zentralamerika [Types of precipitation in El Salvador, Central America], 19.8-438
Lester, Peter F., *see* **Reiter, E. R.**, 19.12-278
Letfus, V.
  Occultation of a noise storm source during the partial solar eclipse of May 20, 1966 (*with* **Tlamicha, A.** and **Valnecek, B.**), 19.2-484
Lettau, Bernhard
  Sub-surface heat flux in the Antarctic interior, 19.12-246
  Thermally and frictionally produced wind shear in the planetary boundary layer at Little America, Antarctica, 19.1-30
Lettau, Heinz H.
  Dynamics of the surface-wind regime over the interior of Antarctica (*with* **Schwerdtfeger, W.**), 19.4-297
  Interrelated changes of wind profile structure and Richardson number in air flow from land to inland lakes (*with* **Zabransky, J.**), 19.12-285
  New hypothesis for the relationship between eddy and mean states, 19.10-247
Levashov, A. A.
  Approximate determination of high flood frequency in rivers without hydrological observations [Transl. from Russ.], 19.8-791
Levchenko, G. P., *see* **Pushkarev, V. F.**, 19.1-283
Levenko, I. T., *see* **Oleinik, R. N.**, 19.11-85
Levenson, L. L.
  Condensation coefficients of argon, krypton and xenon measured with a quartz crystal microbalance at 4.2°K, 19.6-373
Leventhal, J. S.
  Tritium geophysics from 1961-1962 nuclear tests (*with* **Libby, W. F.**), 19.8-276
Leveque, P.
  Evolution de l'activite en tritium dans le sud-ouest de la France (*with* **Vigneaux, M.** and **Alvinerie, J.**), 19.10-428
Levi, Laura
  Electrical properties of ice doped with different electrolytes, 19.11-762
  Helical whiskers of ice (*with* **Gavanovich, S.**), 19.12-386
  Ice filaments grown in a gradient of vapor pressure (*with* **Kobayashi, T.**), 19.6-374
Levi, Michael
  Fog in Israel, 19.8-423
  On the moisture sources of clouds connected with the subtropical jetstream in the Middle East, 19.6-385
Levin, A. G.
  Podbor parametrov funktsii vliianiia s pomoshch'iu analogovoi vychislitel'noi mashiny [Selection of parameters of influence functions using an analog computer] (*with* **Borshchevskii, E. N.**), 19.3-716
  Prognozy pavodkov po dannym o raskhodakh vody malykh rek [Flood forecasts on the basis of data on water discharges of small rivers], 19.11-207
Levin, L. M.
  Fluktuatsii kontsentratsii para i velichiny peresyshcheniia v atmosfere [Fluctuations of vapor concentration and degree of supersaturation in the atmosphere] (*with* **Sedunov, Iu. S.**), 19.5-278
  Gravitatsionnaia koaguliatsiia zariazhennykh oblachnykh kapel' v turbulentnoi srede [Gravitational coalescence of charged cloud drops in a turbulent medium] (*with* **Sedunov, Iu. S.**), 19.5-290
  Nekotorye voprosy teorii atmosfernykh iader kondensatsii [Some problems in the theory of atmospheric condensation nuclei] (*with* **Sedunov, Iu. S.**), 19.5-287
  Theoretical model of the drop spectrum formation process in clouds (*with* **Sedunov, Iu. S.**), 19.12-337
  See also **Aleksandrov, E. L.**, 19.1-287; 19.5-284; **Klepikova, N. V.**, 19.8-231
Levine, Joel S., *see* **Arking, A.**, 19.5-219
Levine, Morton A.
  Plasmas in space, 19.3-527
Levitskii, L. S.
  Protonnye vspyshkin v 1963 g [Proton flares in 1963], 19.6-494
  Raspredelenie tsentrov aktivnosti po geliograficheskoi dolgot [Distribution of centers of activity with heliographic longitude], 19.12-579
Levitt, I. M., *see* **Stehling, K. R.**, 19.6-30
Levkovskii, S. S.
  Vodnyi balans vodokhranilishch [Water balance of reservoirs], 19.4-318
Lewin, W. H. G., *see* **Clark, G. W.**, 19.6-580
Lewinska, Janina
  Metoda prognozy wplywu zbiornikow wodnych na klimat lokalny [Methods of forecasting

influence of water reservoirs on the local climate], 19.6-452
O wystepowaniu opadow stalych przy dodatnich temperaturach powietrza u powierzchni Ziemi [Occurrence of solid precipitation at positive atmospheric temperatures near the Earth's surface], 19.10-431
Opady atmosferyczne w Wielkim Krakowie [Atmospheric precipitation in Great Cracow], 19.7-424

Lewis, E. A., *see* **Harvey, R. B.**, 19.4-394; **Heckscher, J. L.**, 19.6-550; **Rasmussen, J. F.**, 19.10-547

Lewis, E. L.
Heat flow through winter ice, 19.11-750

Lewis, Frank
Regression of complex variables, 19.12-60
See also **Alaka, M. A.**, 19.4-82; **Klein, W. H.**, 19.1-241

Lezhneva, A. V., *see* **Ovezgel'dyev, O.**, 19.7-527

Lezin, V. A.
O gidrokhimicheskikh osobennostiakh ozer severovostoka Karagandinskoi oblasti [Hydrochemical properties of lakes of the North east of the Karaganda region], 19.10-778

Lhermitte, Roger M.
Motions of scatterers and the variance of the mean intensity of weather radar signals, 19.12-67

Li, Guo Wen
Study of the thermal low over southwest China and related forecasting problems [Transl. from Chinese], 19.8-181

Li, S. Y., *see* **Drayson, S. R.**, 19.8-336

Li, Yuan-Hui
Equation of state of water and sea water, 19.4-625
See also **Broecker, W. S.**, 19.3-639

Liakhin, Iu. I.
Graficheskii metod opredeleniia nasyshchennosti karbonatom kal'tsiia vod okeana [A graphic method for determining the calcium carbonate saturation of oceanic waters] [and Eng. transl.], 19.12-707
Nasyshchennost' karbonatom kal'tsiia vod Tikhogo okeana [Saturation of Pacific waters with calcium carbonate] [and Eng. transl.], 19.12-699

Liakhov, B. M.
Novoe ostatochnoe magnitnoe pole Zemli [New remanent magnetic field of the Earth] [and Eng. transl.], 19.2-447
Tokovaia funktsiia glavnogo geomagnitnogo polia predstavlennogo tremia ekstsentricheskimi dipoliami [Current function of the main geomagnetic field prepresented by three excentric dipoles] [and Eng. transl.], 19.5-471
Zapadnyi dreif geomagnitnogo polia i peremeshchenie ekstsentricheskikh dipolei [A western drift of the geomagnetic field and the eccentric dipoles shift] [and Eng. transl.], 19.5-482

Liao, K. H.
Computer model for some branching-type phenomena in hydrology (*with* **Scheidegger, A. E.**), 19.12-781

Liao, Shyue Yih
On the dynamical structure of the cut-off cyclone (*with* **Pao, H. C.**), 19.6-262

Liapin, A. N.
O modelirovanii neplavno izmeniaiushchikhsia ruslovykh techenii [Modeling of unevenly changing channel currents], 19.6-646

Liapina, R. S.
K metodike opredeleniia teplovogo balansa na kartofel'nom pole [Method of determining the heat balance in a potato field] (*with* **Ogneva, T. A.**), 19.4-41
Profil' vetra i parametr sherokhovatosti na kartofel'nom pole [Wind profile and roughness parameter in a potato field], 19.4-42

Liatskii, V. B.
Magnitosfera i geomagnitnye pul'satsii [Magnetosphere and geomagnetic pulsations] [and Eng. transl.], 19.3-481
See also **Briunelli, B. E.**, 19.4-516

Libby, W. F.
Ice caps on Venus? 19.10-683
Radiocarbon and paleomagnetism, 19.3-456
See also **Fabian, P.**, 19.11-287; **Leventhal, J. S.**, 19.8-276

Liboff, Abraham R.
Ultra-low levels of terrestrial ionization (*with* **Shamos, M. H.**), 19.9-567

Licenblat, Ana R., *see* **De Micheli, S. M.**, 19.11-755

Lichfield, Ernest W.
Electronics for around-the-world GHOST balloon flights (*with* **Frykman, R. W.**), 19.6-123
Temperature control of balloon packages (*with* **Carlson, N. E.**), 19.1-78
See also **Lally, V. E.**, 19.4-126

Lichikaki, V. M.
Vliianie ledianoi korki na perezimovku pshenitsy v USSR [Effect of ice crust on the hibernation of wheat in the USSR] (*with* **Sheludiakova, R. M.**), 19.2-226

Lichtenstein, Stanley
Inside air pollution: the view from NBS, 19.7-229

Lieberman, A., *see* **Langer, G.**, 19.2-128

Liebert, Curt H.
Theoretical temperatures of thin-film solar cells in Earth orbit (*with* **Hibbard, R. R.**), 19.9-648

Lied, Finn
High frequency radio communications with emphasis on Polar problems (*ed.*), 19.7-6

Liepa, Valdis, V.
Numerical approach for predicting radiation patterns of HF-VHF antennas over irregular terrain, 19.6-181

Lifshits, F. A.
K otsenke nalednogo regulirovaniia podzemnogo stoka v basseine r. Chul'man, Iuzhnaia Iakutiia [Evaluation of ice regulation of subsurface flow in the Chulman River basin, Southern Yakutia] (*with others*), 19.7-816

Liggett, J. A.
Steady and unsteady effects on discharge in a river connecting two reservoirs (*with* **Graf, W. H.**), 19.8-774

Lighthill, M. J.
Predictions on the velocity field coming from acoustic noise and a generalized turbulence in a layer overlaying a convectively unstable atmospheric region, 19.8-677
Ligon, James T.
Occurrence of soil moisture deficiency in Kentucky (*with* **Elam, A. B., Jr.** and **Dickson, D. G.**), 19.4-367
Likens, G. E.
Chemically stratified lake in Alaska (*with* **Johnson, P. L.**), 19.6-747
Likhter, Ia. I., *see* **Kiselev, Iu. V.,** 19.7-491
Liljequist, Goesta H.
Populaer meteorologi [Popular meteorology], 19.7-29
Lill, Joseph C., *see* **Higgins, P. W.,** 19.7-51
Lilliequist, Carl G., *see* **Altschuler, M. D.,** 19.10-697
Lilly, Douglas K.
Summary of progress in research on atmospheric turbulence and diffusion (*with* **Panofsky, H. A.**), 19.4-278
Techniques for the study of mountain waves, 19.6-357
Theoretical models of convective elements and ensembles, 19.7-170
Limachev, N. S., *see* **Zonn, I. S.,** 19.11-811
Lin, J. T.
Simulation of mountain lee waves in a wind tunnel (*with* **Binder, G. J.**), 19.6-358
Lin, R. P.
Observations of lunar shadowing of energetic particles, 19.9-594
Lin, W. C.
Electron fluxes at 1000-km altitude associated with auroral substorms (*with* **McDiarmid, I. B.** and **Burrows, J. R.**), 19.9-617
Linacre, Edward T.
Climate and the evaporation from crops, 19.6-364
Further notes on a feature of leaf and air temperatures, 19.6-446
Lincoln, J. Virginia
Geomagnetic indices, 19.10-621
Reporting of sudden ionospheric disturbances, 19.8-518
Lind, Don L., *see* **Ogilvie, K. W.,** 19.2-404
Lindblad, B. A.
Long-term variation in mesosphere and lower thermosphere density and its relation to the solar cycle, 19.8-221
Lindblad, Nero R., *see* **Adam, J. R.,** 19.12-322
Lindeken, C. L.
Determination of the degree of equilibrium between Radon 222 and its daughters in the atmosphere by means of alpha-pulse spectroscopy, 19.9-258
Lindgren, Stig
Cosmic-ray trajectories in the geomagnetic field, 19.4-487
Increase effects and anomalous daily variation during cosmic-ray storms (*with* **Pak, B. S.**), 19.5-448
Lindquist, C. A., *see* **Whipple, F. L.,** 19.4-567
Lindqvist, A.
Radiosonde Vaisala, Type RS 13: apercu sur sa theorie, sa realisation pratique et son utilisation, 19.11-157
Lindsey, Reed S., *see* **Marbach, J. R.,** 19.10-625
Lindstrom, Peter J.
B-L space and geomagnetic field models (*with* **Heckman, H. H.**), 19.10-610
Lindzen, Richard S.
Application of classical atmospheric tidal theory, 19.8-370
Lunar diurnal atmospheric tide, 19.1-331
Oscillations in atmospheres with tops (*with* **Batten, E. S.** and **Kim, J. W.**), 19.8-371
See also **Holton, J. R.,** 19.10-250
Ling, Shao Hou
On the monsoons of Pengchiayu, Penghu and Lanyu, Taiwan [in Chinese], 19.5-248
Lingenfelter, R. E.
High-energy nuclear reactions in solar flares (*with* **Ramaty, R.**), 19.11-681
Linhart, Jaroslav
Hydrometeorologicke pomery a geomorfologicky vyvoj nadrze Oravske prehrady v prvnich peti letech po jejim napusteni (1953-1958) [Hydrometeorological conditions and geomorphological development of the Orava Reservoir during the first five years after its filling (1953-1958)], 19.6-783
Link, F.
Auroral and climatic cycles in the past, 19.9-568
Linnenbom, V. J., *see* **Swinnerton, J. W.,** 19.12-704
Linsley, Ray K.
Relation between rainfall and runoff, 19.2-285
See also **Ben-Zvi, A.,** 19.10-411
Linton, Roger C.
Earth albedo studies using Pegasus thermal data, 19.10-288
See also **Russell, L. W.,** 19.11-602
Lipovka, A. V.
Nekotorye osobennosti meteorologicheskogo obespecheniia poletov samoletov nad Antarktidoi [Some characteristics of meteorological support of flights over Antarctica] [and Eng. transl.], 19.3-359
Lipscomb, Robert G.
Winter phytoplankton, and physical and chemical characteristics of Pretty Lake, Indiana, 19.7-790
Lipskii, Iu. N.
Tekushchie problemy morfologii poverkhnosti Luny [Current problems of lunar surface morphology] (*with others*) [and Eng. transl.], 19.11-638
Liser, I. Ia.
Izmenenie tolshchiny ledianogo pokrova Obi na uchastke sozdannogo vodokhranilishcha Novosibirskoi GES [Variations in the ice cover thickness of the Ob River in the area of the reservoir created by the Novosibirsk hydroelectric power plant], 19.12-802
Lisitzin, Eugenie
Day-to-day variation in sea level along the Finnish coast, 19.10-720

Sea level variation in the Sea of Japan, 19.3-632
List, Robert J.
Preliminary meteorological data summary, Route 17, July 1966-June 1967 (*with others*), 19.6-112
List, Roland
Growth and feedback mechanisms of hailstones in one-dimensional, steady state model clouds (*with* **Charlton, R. B.** and **Buttuls, P. I.**), 19.10-451
On the modelling of cumulus clouds, 19.9-500
Litinskii, V. M.
Neodnorodnosti raspredeleniia vektorov vozmushcheniia geomagnitnykh bukht [Inhomogeneities of the distribution of vectors of disturbances of geomagnetic bays] [and Eng. transl.], 19.7-597
Little, C. Gordon
Auroral absorption of radio waves, 19.2-403
Little, Edward M.
Day length versus date graph at Arctic Circle is almost a sawtooth curve, 19.6-298
Litton, E.
Appraisal of some approximate methods of determining bending moments and shearing forces due to wind forces on multi-storey buildings (*with* **Hedley, W. S.**), 19.11-409
Litvinov, A. S.
Nekotorye dannye o vetrovykh techeniiakh v Rybinskom vodokhranilishche [Certain data on wind-driven currents in the Rybinsk Reservoir], 19.3-242
Litvinov, I. V.
Otsenka otnositel'noi shkaly dozirovok pri vozdeistvii kristallizuiushchimi reagentami na pereokhlazhdennuiu oblachnost' [Evaluation of the relative scale of dosage for modification of supercooled clouds with crystallizing reagents], 19.6-191
Pereraspredelenie osadkov pri vozdeistvii na oblaka khladoreagentami [Redistribution of precipitation during cloud seeding with a cold reagent], 19.5-160
Pereraspredelenie osadkov za schet vozdeistviia [Redistribution of precipitation as a result of modification], 19.6-192
Ustoichivost' vo vremeni velichiny radiolokatsionnoi otrazhaemosti zhidkikh osadkov [Stability of the radar reflectivity value of liquid precipitation], 19.5-300
Litvinova, V. D.
O sutochnom khode koeffitsienta turbulentnosti nad ravninnoi mestnost'iu [Diurnal variation of turbulence exchange above a plane surface], 19.9-427
Liu, Benjamin Y. H.
On the theory of charging of aerosol particles in an electric field (*with* **Yeh, H. C.**), 19.9-254
Liu, C. H.
Wave propagation in a random medium with parabolic background, 19.1-376
Wave propagation in a random medium with stratified background, 19.10-74
Liu, C. Y., *see* **Sandborn, V. A.**, 19.10-344
Liubarets, M. M., *see* **Kotliakov, V. M.**, 19.3-312, 313
Liubarskii, K. A.
Eshche ob opredelenii funktsii svetimosti meteorov [Another determination of the brightness function of meteors], 19.11-656
Funktsii svetimosti meteorov po nabliudeniiam 1962-1963 gg [Brightness function of meteors based on 1962-1963 observations] (*with* **Tsvetkov, V. I.**), 19.11-655
See also **Bronshten, V. A.**, 19.6-604
Liubashevskii, L. S., *see* **Gol'din, B. M.**, 19.6-766
Liubimova, E. A.
Teplovoi potok cherez dno oz. Baikal [Heat flow across the bottom of Lake Baikal] (*with* **Sheliagin, V. A.**) [and Eng. transl.], 19.8-763
Liutik, P. M.
Analiz formirovaniia i opredelenie poter' dozhdevogo stoka v usloviiakh Vostochnykh Karpat [Analysis of the formation and determination of rain flood loss in rivers of the eastern Carpathians], 19.7-831
Opredelenie maksimal'nykh raskhodov dozhdevykh pavodkov na rekakh Vostochnykh Karpat [Determination of maximum discharge of rain floods in rivers of the eastern Carpathians], 19.7-94
Livingston, P. M., *see* **Bowyer, C. S.**, 19.6-305
Livingston, William C.
Solar image or spectrum scanning technique, 19.9-713
Sun's magnetism, 19.9-711
See also **Kirk, J. G.**, 19.11-684
Livingstone, C. E., *see* **Caner, B.**, 19.5-509
Livshits, G. Sh.
Intensivnost' rasseiannoi radiatsii na malykh uglovykh rasstoianiiakh ot solntsa i spektr razmerov aerozolei [Intensity of scattered radiation at small angular distances from the Sun and the aerosol size spectrum] (*with* **Tashenov, B. T.**) [and Eng. transl.], 19.9-381
Livshits, M. A.
Interpretatsiia nabliudenii linii molekuly CO v solnechnom spektre [Interpretation of observations of lines of molecular CO in the solar spectrum] (*with* **Polonskii, V. V.**) [and Eng. transl.], 19.10-705
Lliboutry, L.
General theory of subglacial cavitation and sliding of temperature glaciers, 19.7-772
Lloyd, E. H.
Stochastic reservoir theory, 19.9-835
Lloyd, I. H.
Automatic weather station programme of the South African Weather Bureau, 19.4-130
Lloyd, J. W. F.
Rocket optical studies of daylit day-time auroras, 19.8-544
Lob, Walter H.
Observation of mesoscale eddies with dual-beam radar (*with* **Bishop, A. W.**), 19.5-74
On the theory of wind measurement with incoherent radar, 19.7-353
Lobanova, V. Ia.
Opyt primeneniia schetnykh mashin dlia

nakopleniia i statisticheskogo obobshcheniia informatsii ob oblachnosti, poluchaemoi s meteorologicheskikh sputnikov [Experiment on the use of computers for the accumulation and statistical summarization of cloud data, obtained from meteorological satellites], 19.11-441
Osobennosti geograficheskogo raspredeleniia oblachnosti nad severnym polushariem [Characteristics of cloudiness distribution over the Northern Hemisphere], 19.7-391
Lockwood, J. A.
11-year solar modulation of cosmic rays as deduced from neutron monitor variations and direct measurements at low energies (*with* **Webber, W. R.**), 19.4-488
Lockwood, J. G.
Some uses of profiles and charts of total energy content, 19.11-298
Lockwood, Mason G.
Preservation of estuaries by tidal inlets (*with* **Carothers, H. P.**), 19.2-573
Lodge, James P.
Production of controlled test atmospheres, 19.11-261
See also **Spurny, K. R.**, 19.9-489
Loeb, Leonard B.
Contributions to the mechanisms of the lightning stroke, 19.5-386
Loehre, Evald, *see* **Villegas, L.**, 19.11-98
Loeken, Olav H.
Baffin Islands refugia older than 54,000 years, 19.5-736
Loennqvist, Olov
Experiments with automatic interpretation of meteorological forecast charts, 19.12-108
Loeva, I. D., *see* **Babichenko, V. N.**, 19.2-219
Loewe, F.
Water budget in Antarctica, 19.6-724
Lofgren, Gary, *see* **Weeks, W. F.**, 19.12-766
Logvinov, K. T.
O podgotovke materialov raketnogo zondirovaniia k mekhanizirovannym razrabotkam [Preparation of sounding rocket data for automatic processing], 19.11-139
O soderzhanii i ob''emakh gidrometeorologicheskoi informatsii, podlezhashchei mekhanizirovannoi obrabotke v Mirovom i Regional'nykh Tsentrakh SSSR [Contents and volumes of hydrometeorological information subject to mechanized processing in World and Regional centers of the U.S.S.R.], 19.11-125
Loh, L. T., *see* **Chaney, L. W.**, 19.2-16
Lomaia, O. V.
O roli turbulentnosti v razvitii konvektivnoi oblachnosti [Role of turbulence in the development of convective cloudiness], 19.6-386
Lomanitz, Ross
Free-surface condition, 19.7-821
Lomas, J.
Effect of windborne salt on citrus production near the sea in Israel (*with* **Gat, Z.**), 19.9-103
Lomax, John B.
Observation of acoustic-gravity wave effects showing geomagnetic field dependence (*with* **Nielson, D. D.**), 19.12-496
Lombardo, R.
Contribution a une description du climat de la Corse, 19.7-449
Lonan, Rudy, *see* **Kusumanto, –**, 19.10-499
Long, William H.
Relevance of a university degree in meteorology for the broadcast meteorologist, 19.10-34
Longheto, A.
"Running-average" anemograph (*with* **Persano, A.**), 19.7-148
Longhouse, A. D., *see* **Barwick, A. J.**, 19.7-264
Longley, A. G.
Prediction of tropospheric radio transmission loss over irregular terrain: a computer method - 1968 (*with* **Rice, P. L.**), 19.12-53
See also **Rice, P. L.**, 19.9-114
Longley, R. W.
Frost hollows in west central Alberta (*with* **Louis-Byne, M.**), 19.10-469
Longuet-Higgins, M. S.
Eigenfunctions of Laplace's tidal equations over a sphere, 19.8-744
Resonant interactions between planetary waves (*with* **Gill, A. E.**), 19.5-658
Longyear, J. Q.
Algorithm for obtaining solutions to Laplace's tidal equations, 19.1-463
Lootens, Harold T.
Electron concentration profiles during sunspot maximum and minimum (*with* **Prenatt, R. E.**), 19.6-495
Lopatnikov, V. I.
Khod aktivnosti elektrotelluricheskogo polia v more za poluperiod solnechnogo tsikla po nabliudeniiam u Iuzhnogo berega Kryma [Course of activity of electrotelluric field at sea during a half-period of the solar cycle by observations on the south coast of the Crimea], 19.9-766
O metodike izmerenii elektrotelluricheskogo polia v more [Method of measuring the electrotelluric field in the sea] (*with* **Smirnov, R. V.** and **Novikoz, B. I.**), 19.4-620
Lopukhin, A. S.
"Organizovannye elementy" v Saratovskom meteorite ["Organized elements" in the Saratov meteorite], 19.11-661
Lorenz, Dieter
Mikrometeorologische Temperaturmessungen von Luftfahrzeugen aus [Micrometeorological temperature measurements from airplanes], 19.6-317
Temperaturmessung von Boden- und Wasseroberflaechen von Luftfahrzeugen aus [Temperature measurements from aircraft over land and sea surfaces], 19.6-129
Lorenz, Edward N.
Atmospheric predictability, 19.7-175
Climatic determinism, 19.11-484
On the range of atmospheric predictability, 19.11-197
Lorius, C.
Teneurs en deuterium le long d'un profil de 106

m dans le neve antarctique: application a l'etudes des variations climatiques (*with others*), 19.12-434
See also **Lambert, G.,** 19.6-421
Losev, K. S.
Genetic classification of avalanches, 19.3-335
O sposobakh izobrazheniia lavinnykh ochagov na krupnomasshtabnykh kartakh [Methods for depicting avalanche foci on large scale maps], 19.11-470
Loshchilov, V. S., *see* **Bushuev, A. V.,** 19.1-576
Lotova, N. A., *see* **Vitkevich, V. V.,** 19.12-567
Loughhead, R. E., *see* **Bray, R. J.,** 19.8-16
Louis-Byne, M., *see* **Longley, R. W.,** 19.10-469
Lourdain, J. C., *see* **Bernadet, P.,** 19.7-90
Louw, W. J.
Comparative study of Class "A" pan and Symon's tank evaporation in South Africa, 19.9-476
Love, Betty J., *see* **Kordes, E. E.,** 19.2-237
Love, D. M.
April temperatures and the following summers in Southampton, 1901-62, 19.10-179
Temperature differences between a ground-level site and a roof site in Southampton, 19.9-537
Lovelace, J.
Accumulation of fluoracetate and fluorocitrate in forage crops collected near a phosphate plant (*with* **Miller, G. W.** and **Welkie, G. W.**), 19.7-230
Lovelock, James E., *see* **Hitchcock, D. R.,** 19.1-136
Lovett, J.
Gemini V D4/D7 spectral measurements of space objects and Earth' cloud backgrounds (*with* **Marcotte, L.** and **Nadile, R.**), 19.2-205
Lovill, James E.
Vertical distribution of ozone and atmospheric transport processes over the San Francisco Bay area, 19.8-265
Lovisz, William A.
Objective technique for forecasting stratus and advection fog, 19.6-57
Low, C. H., *see* **Johnson, E. R.,** 19.1-64
Low, Frank J.
Infrared brightness temperature of Uranus, 19.3-573
See also **Noyes, R. W.,** 19.7-684
Low, Philip F.
Some thermodynamic relationships for soils at or below the freezing point, Pt. 1 (*with* **Anderson, D. M.** and **Hoekstra, P.**), 19.7-334; Pt. 2, 19.4-772; 19.10-799
Lowenthal, Marvin J.
Artillery meteorological soundings in Viet Nam, 19.9-161
Studies of density changes through frontal systems, 19.3-136
Lowes, F. J.
Laboratory self-exciting dynamo (*with* **Wilkinson, I.**), 19.3-453
Lowman, Paul D., Jr.
Geologic applications of orbital photography, 19.6-554
Lowndes, C. A. S.
Forecasting of rain in southerly airstreams over southeast England in summertime, 19.2-111
Lowry, Dale A.
Effects of variable stability in a 1000-mb graphical prediction model (*with* **Danielsen, E. F.**), 19.6-165
See also **Glahn, H. R.,** 19.3-100
Lowry, William P.
Biometeorological inference and plant-environment interrelations, 19.7-465
28th Annual Biology Colloquium, 19.4-377
Lozovskii, V. V., *see* **Struzer, L. R.,** 19.9-176
Lubiako, L. V., *see* **Fedoseev, L. I.,** 19.10-660
Lucas, D. H.
Some developments in dust pollution measurement (*with* **Snowsill, W. L.**), 19.5-136
Lucas, Donald L., *see* **Haydon, G. W.,** 19.5-152
Lucas, H. J., Jr., *see* **Ter Haar, G. L.,** 19.4-342
Lucas, R. M.
Measurement of high-altitude balloon gas temperature (*with* **Hall, G. H.**), 19.5-97
Ludlam, F. H.
Characteristics of billow clouds and their relation to clear-air turbulence, 19.4-331
Circulation of air, water and particles in the troposphere, 19.1-132
Cyclone problem: a history of models of the cyclonic storm, 19.9-329
Ludlum, David M.
Early and late season snowfalls: Evidence of climatic change? 19.11-464
Snowfall season of 1966-67, 19.9-515
Vineyard Sound Waterspout in 1896, 19.2-179
Ludwig, F. L.
Variations in the size distributions of sulfur-containing compounds in urban aerosols (*with* **Robinson, E.**), 19.7-469
See also **Robinson, E.,** 19.12-312
Luedke, E. E., *see* **Miller, W. D.,** 19.6-296
Luers, James
On optimum methods for obtaining wind data from balloon sensors (*with* **Engler, N.**), 19.2-67
Luest, R.
Properties of interplanetary space, 19.10-655
See also **Giese, R. H.,** 19.6-30
Lugovenko, V. N.
Zadacha razdeleniia geomagnitnogo polia na anomal'nuiu i normal'nuiu sostavliaiushchie [Problem of dividing the geomagnetic field into abnormal and normal components] [and Eng. transl.], 19.1-429
Luk'ianov, V. A.
Opyt rascheta techenii i nagonnykh povyshenii urovnia vody na ust'evom vzmor'e r. Kuban' [Calculation of currents and on shore elevation in water level (caused by wind) in the marine estuarine area of the Kuban' River], 19.9-454
Lukin, D. S., *see* **Kazantsev, A. N.,** 19.1-160; 19.5-59
Lukin, Iu. T., *see* **Pak, M. I.,** 19.1-15
Lull, Howard W., *see* **International Symposium on Forest Hydrology, Pennsylvania State Univ., Aug.-Sept. 1965,** 19.5-18

Lumley, J. L.
  Inertial subrange in nonequilibrium turbulence, 19.6-246
  Structure of inhomogeneous turbulent flows, 19.6-247
  Theoretical aspects of research on turbulence in stratified flows, 19.9-318
Lunar International Laboratory (LIL) Symposium, Athens, Sept. 1965
  Research in geosciences and astronomy: Proceedings of the . . . Symposium, 19.6-30
Lund, Iver A.
  Estimating the date of retreat of the rainy season in southern South Vietnam (*with* **Grantham, D. D.**), 19.11-188
  Experiment in developing a linear prediction equation for estimating the date of establishment of the rainy season in southern South Vietnam, 19.12-123
  Fifty millibar balloon trajectories, 19.5-98
Lundstrom, Reginald R., *see* **Darnell, W. L.**, 19.9-686
Lungu, Al
  Influenta oscilatiilor temperaturii ambiante asupra colesterolului seric si a iodului hormonal din singe [Influence of the environmental temperature oscillations on the serum cholesterol and the serum protein bound iodine] (*with others*), 19.11-92
Luongo, G., *see* **Gasparini, P.**, 19.9-298
Lupinovich, I. S.
  Vodopronitsaemost' zabolochennykh pochv BSSR [Permeability of water-logged soils in the BSSR] (*with* **Afanas'ev, N. I.**), 19.9-528
Lupton, G.
  Estimation of monthly mean wind speeds, 19.8-80
Luria, S. M., *see* **Kinney, J. A. S.**, 19.3-636
Luthin, J. N., *see* **Norum, D. I.**,19.7-855
Lutowska-Dziadziuszko, Bernadetta, *see* **Kuziemski, J.**, 19.11-496
Luyet, B.
  Attacks from different fronts on some complex cases of instability in aqueous solutions solidified at low temperatures, 19.11-763
  Various modes of recrystallization of ice, 19.11-764
L'vov, V. P.
  Some data on the subterranean component of water and salinity balance of the Aral Sea [Transl. from Russ.], 19.12-700
L'vovich, M. I.
  Vodnyi balans SSSR i ego preobrazovanie [Water balance in the U.S.S.R. and its transformation], 19.10-413
Lykosov, V. N., *see* **Shaposhnikova, M. I.**, 19.12-178
Lykoudis, Paul S., *see* **Olson, C. A.**, 19.2-507
Lykov, A. V.
  Heat and mass transfer, Vol. 1 (*with* **Smol'skii, B. M.**) (*eds.*) [Transl. from Russ.], 19.11-38
Lylo, V. M.
  Prognoz gidrografa dozhdevykh pavodkov na r. Shilke s uchetom neravnomernosti postupleniia vody v rechnuiu set' basseina [Forecast of the hydrograph of rain floods on the Shilka River by considering the irregular inflow of water into the river network of the basin], 19.9-238
Lynn, Y. M.
  Transition solution for magnetohydrodynamic shocks in arbitrary fluids, 19.12-546
Lyon, E. F.
  Plasma measurement on Explorer 33, Pt. 1 (*with others*), 19.8-587
  Explorer 35 plasma measurements in the vicinity of the Moon (*with* **Bridge, H. S.** and **Binsack, J. H.**), 19.5-528
Lyon, G. F.
  Some evidence concerning the distribution of irregularities responsible for radio aurora, 19.9-613
Lyons, Rick D.
  Partitioning of water between cloud drops and precipitation particles in cumuli, 19.12-347
Lyons, Walter A.
  [Comments on] Abdul Jappar Abdullah: Note on the "square cloud", 19.5-298
  Mesoscale motions in oceanic stratus as revealed by satellite data (*with* **Fujita, T.**), 19.8-426
Lysenko, I. A., *see* **Kashcheev, B. L.**, 19.12-197
Lysenko, K. A.
  Minimal'nyi stok rek Ukrainy i Moldavii [Minimum streamflow of the Ukraine and Moldavia], 19.4-763
Lytayev, I. A., *see* **Michurin, B. N.**, 19.11-809
Lyttleton, R. A.
  Mysteries of the solar system, 19.9-671

M

MAC Flyer, [Washington, D. C.]
  Thunderstorm, 19.12-214
Ma, M. T.
  Computed radiation patterns of log-periodic antennas over lossy plane ground (*with* **Walters, L. C.**), 19.6-90
  Theory of antenna arrays (*ed.*), 19.11-42
Maanders, E. J.
  Radarwaarnemingen van geioniseerde meteorsporen [Radar observation of ionised meteor trails], 19.5-75
Maaseide, K.
  Emission from a sodium trail released in aurora, Pt. 2, 19.3-409
Mabboux, Claude
  Variation siderale de la composante muonique cosmique a 440 m de profondeur (*with others*), 19.2-436
Mabee, R. S., *see* **Golomb, D.**, 19.8-218
McAfee, John Robert
  Interpretation of topside resonances as oblique echoes, 19.10-543
McAndrew, Donald W., *see* **Washichek, J. N.**, 19.8-198
McBean, Gordon A.
  Investigation of turbulence within the forest, 19.9-432
McCabe, John T.
  Estimating conditional probability of events having marked diurnal variability, 19.12-61

Maccabee, F. G.
Present state of knowledge of flow round buildings, 19.12-294
McCall, G. J. H.
Concept of volcano-tectonic undation in selenology, 19.11-639
McCallum, J. A., *see* **Johnson, O.,** 19.1-139
McCalmont, Arnold M.
CSE Command Telemetry System for meteorological/oceanographic buoys (*with* **Girard, A. L.**), 19.1-525
McCarroll, R.
Enhancement of the stimulated emission of radio-frequency lines of hydrogen (*with* **Hoang Binh, D.**), 19.12-573
McCarthy, Gerald T.
Surface water resources planning in Hudson Basin (*with* **Barbarossa, N. L.**), 19.8-784
McCarthy, John
Computer model comparisons of seeded and not-seeded convective cloud depth using Project Whitetop data, 19.11-241
McClain, E. Paul
SINAP problem: present status and future prospects, 19.5-116
See also **Fritz, S.,** 19.3-81
McColl, Robert W.
Geographical material on Mainland China available from the U. S. Joint Publications Research Service, 19.10-45
McConnell, L. T., *see* **Wilkins, E. M.,** 19.8-489
McCord, Thomas, *see* **Goody, R.,** 19.8-659
McCorkell, R.
Aluminum-26 and beryllium-10 in Greenland ice (*with* **Fireman, E. L.** and **Langway, C. C., Jr.**), 19.4-725
McCormac, Billy M., *see* **NATO Advanced Study Institute, Freising, Germany, July-Aug. 1967,** 19.12-555; **NATO Advanced Study Institute, Univ. of Keele, Staffordshire, Eng., Aug. 1966,** 19.1-17
McCormick, P. D.
Optical radar detection of backscattering from the upper atmosphere (*with others*), 19.1-71
McCormick, Robert A.
Air pollution climatology, 19.8-233
McCoy, James E.
Analysis of time variations in the interplanetary radiation intensity observed by Mariner 4 (*with* **Anderson, H. R.**), 19.8-559
McCracken, K. G.
Cosmic-ray propagation processes, Pt. 1 (*with* **Rao, U. R.** and **Bukata, R. P.**), 19.2-437
Cosmic rays: asymptotic directions, etc. (*with others*), 19.8-560
Interrelationship of cosmic-ray anisotropies and the interplanetary magnetic field (*with* **Rao, U. R.** and **Ness, N. F.**), 19.12-519
See also **Edwards, P. J.,** 19.7-671; **Oliven, M. N.,** 19.8-545; **Rao, U. R.,** 19.2-438, 439
McCray, Richard, *see* **Goldreich, P.,** 19.9-665
McCrea, W. H.
Quasi-stellar objects with absorption, 19.11-625
MacCready, Paul B., Jr.
Cloud turbulence, 19.2-238
Glaciation of an AgI-seeded cumulus cloud (*w*
Baughman, R. G.), 19.5-161
Precipitation initiation mechanisms and drop
characteristics of some convective cloud co
(*with* **Takeuchi, D. M.**), 19.12-331
McCrone, Walter
Particle atlas: a photomicrographic reference
the microscopical identification of particul
substances (*with* **Draftz, R. G.** and **Delly, J. C**
19.4-13
McCrosky, Richard E., *see* **Posen, A.,** 19.7-675
McCulloch, Andrew W., *see* **Warnecke,**
19.10-307
McCulloch, J. S. G.
Automatic weather stations for hydrology (*w*
Strangeways, I. C.), 19.8-142
McCulloch, P. M., *see* **Ellis, G. R. A.,** 19.5-546
McCune, D. C.
Concept of hidden injury in plants (*with other*
19.6-208
McCusker, C. B. A.
Cosmic rays, 19.3-428
McDaniel, Willard R.
Does a natural model for predicting high co
centrations of air pollutants actually exi
19.12-126
McDaniels, Louis L.
Evapotranspiration as related to water rights
Texas, 19.8-409
McDevitt, F. R., *see* **Graf, E. R.,** 19.11-677
McDiarmid, I. B.
Local time asymmetries in the high-latitu
boundary of the outer radiation zone for
different electron energies (*with* **Burrows,**
R.), 19.6-541
See also **Lin, W. C.,** 19.9-617; **Whalen, B.**
19.1-404; 19.7-556
McDonald, F. B., *see* **Fichtel, C. E.,** 19.6-522
MacDonald, Gordon J. F.
How to wreck the environment (Unless pea
comes, Pt. 4), 19.11-216
Weather modification, 19.8-201
McDonald, Keith Leon
Recent trends in the Earth's magnetic field (*w*
Gunst, R. H.), 19.8-569
Macdonald, Norman J.
Evidence for the existence of Rossby-like wa
in the hurricane vortex, 19.12-209
McDonnell, J. A. M.
Detection of meteoritic dust from a soundi
rocket, 19.4-101
McDougal, D. E., *see* **Bloom, G. L.,** 19.9-743
MacDougall, Ian
Isotopic dating evidence for the age of clima
deterioration and the Pliocene-Pleistoce
boundary (*with* **Stipp, J. J.**), 19.12-435
McDowell, R. E.
Climate versus man and his animals, 19.11-88
Factors in reducing the adverse effects of clima
on animal performance, 19.7-66
McElheny, Victor K.
Oceanography in Britain: significant new su
port, 19.5-611
McElroy, Michael B.
Upper atmosphere of Mars, 19.5-571

Upper atmosphere of Venus, 19.7-667
Upper atmosphere of Venus in light of the Mariner 5 measurements, 19.12-597
See also **Belton, M. J. S.,** 19.5-562; **Hunten, D. M.,** 19.7-510
Macey, H. H.
Experience with C.E.R.L. dust pollution gauge, 19.5-137
McFadden, James D.
Compatibility of aircraft and shipborne instruments used in air-sea interaction research (*with* **Wilkerson, J. W.**), 19.5-683
McFall, J. C., Jr.
Planetary entry parachute testing using a balloon as a launch platform, 19.5-42
McGavin, R. E., *see* **Bean, B. R.,** 19.8-271; 19.11-281
McGee, Owen S.
Harmonic analysis of the rainfall over South Africa (*with* **Hastenrath, S. L.**), 19.9-504
McGilchrist, C. A.
Statistical tests for common bankfull frequency in rivers (*with* **Woodyer, K. D.**), 19.7-848
McGill Univ., Montreal. Arctic Meteorology Research Group, *see* **Byron-Scott, R.,** 19.5-195
McGill Univ., Montreal. Dept. of Geography, *see* **Dagon, R. R.,** 19.9-105
McGinnies, William G.
Introduction [to an inventory of geographical research on desert environments] (*with* **Meadows, J. W., Jr.**), 19.12-441
McGlening, Keith
Canadian Weather Services for radio and television, 19.12-107
McGoldrick, L. F.
Long waves over wavy bottoms, 19.12-169
McGuinness, J. L., *see* **Mustonen, S. E.,** 19.3-272
Machalski, J.
Occurrence of Type IV radiation in the 19th cycle of solar activity, 19.7-647
MacHattie, L. B.
Kananaskis valley winds in summer, 19.9-446
See also **Mukammal, E. I.,** 19.1-325
Machta, L.
Nuclear radiation program of the International Geophysical Year, 19.5-16
McIlwain, Carl E., *see* **Fillius, R. W.,** 19.5-486
McIlwraith, Nicholas, *see* **Ogilvie, K. W.,** 19.2-404
McInnes, B.
Development of kinetheodolites for satellite tracking, 19.5-535
McIntosh, Bruce A.
Radar echo duration as a function of meteoroid mass, 19.3-548
McIntosh, C. B. G.
Cosmological models containing both radiation and matter, 19.9-663
McIntosh, Robert E.
Study of the possible uses of plasma for millimeter wave generation, 19.12-46
Mack, Harry
Density distribution of a steady-state homogeneous Moon (*with* **Herrin, E.**), 19.12-585
Mack, Lawrence R.
Natural convection between horizontal concentric cylinders for low Rayleigh numbers (*with* **Bishop, E. H.**), 19.12-191
Mackay, C. D.
Do radio stars exist? 19.7-650
McKay, G. A., *see* **Brown, D. M.,** 19.4-378
Mackay, J. R.
Observations on pressures exerted by creeping snow (*with* **Mathews, W. H.**), 19.12-407
McKee, Christopher F.
Equilibrium properties of matter at very high temperatures and densities, 19.8-627
McKee, Guy W.
Effect of soil pH, drainage, and fertility on growth, survival, and element content of crownvetch, *Coronilla varia L* (*with* **Langille, A. R.**), 19.5-46
McKenna, Susan M. P.
East limb passage of an active solar region, July 7-10, 1959, 19.5-589
McKenzie, Dan P.
Some remarks on heat flow and gravity anomalies, 19.5-688
Mackenzie, Fred T., *see* **Garrels, R. M.,** 19.9-817
Mackenzie, K. V.
Oceanography from deep submersibles, 19.3-10
Mackiewicz, Elzbieta (Lipka)
Wyznaczenie wysokosci izotermy zerowej za pomoca radaru [Determination of the height of a zero-isotherm using radar], 19.5-234
McKim, Harlan L., *see* **Lange, G. R.,** 19.6-318
McKinnis, Dean E., *see* **Howe, H. H.,** 19.2-361
McKinnon, P. J., *see* **Smith, L. G.,** 19.8-531
MacKinnon, R. F.
Effects of winds on acoustic-gravity waves from explosions in the atmosphere, 19.4-276
Effects of winds on atmospheric pressure waves produced by hydrogen bombs, 19.10-316
Macklin, R. L.
Quantitative tests of S-process in stellar nucleosynthesis for solar system material (*with* **Gibbons, J. H.**), 19.1-474
Macklin, W. C.
Growth velocities of ice in supercooled water and aqueous sucrose solutions (*with* **Ryan, B. F.**), 19.7-379
See also **Bailey, I. H.,** 19.1-578
McLellan, B. D., *see* **Stenlund, S. J.,** 19.5-102
McLellan, Carolyn
Objective prediction of solar flares, solar proton events (PCE), and geomagnetic activity by the REEP Program (*with* **Haurwitz, M.**), 19.7-694
McLellan, H. J., *see* **Nowlin, W. D., Jr.,** 19.1-560
McLemore, H. Clyde
Hot-gas ingestion investigation of large-scale jet VTOL fighter-type models (*with* **Smith, C. C., Jr.**), 19.11-80
McLone, R. R.
On the form of noctilucent clouds, 19.2-326
McMaster, William M.
Hydrologic data for the Oak Ridge area, Tennessee, 19.3-676
McNall, P. E.
Metabolic rates at four activity levels and their relationship to thermal comfort (*with others*), 19.11-359

  Seasonal variation in comfort conditions for college-age persons in the Middle West (*with* **Ryan, P. W. and Jaax, J.**), 19.11-93
McPherron, R. L.
  Studies of the magnetospheric substorm, Pt. 2 (*with others*), 19.7-619
  See also **Coroniti, F. V.,** 19.7-620
McQuain, Robert H.
  Significant achievements in space applications, 1966, 19.11-68
MacQueen, Robert M.
  Infrared observations of the outer solar corona, 19.10-704
  Note on the stratospheric infrared sky radiance, 19.9-281
McQuivey, Raul S., *see* **Richardson, E. V.,** 19.8-758
MacRobert, T. M.
  Spherical harmonics: an elementary treatise on harmonic functions with applications, 19.11-2
McTaggart-Cowan, J. D., *see* **Kelley, J. J., Jr.,** 19.10-191
McWhorter, John C.
  Precipitation probabilities for Mississippi (*with* **Matthes, R. K., Jr.** and **Brooks, B. P., Jr.**), 19.8-436
Maddocks, G. E.
  Geochemistry of surface waters of the Western District of Victoria, 19.6-748
Madelaine, Guy, *see* **Bricard, J.,** 19.12-326
Madison, R. J., *see* **Richardson, D.,** 19.7-825
Mae, Shinji
  Void formation during non-basal glide in ice single crystals under tension, 19.12-769
Maeda, Hiroshi
  Electric currents induced by nonperiodic winds in the ionosphere, Pt. 1 (*with* **Murata, H.**), 19.7-521
Maeda, Kaichi
  Auroral O_2-dissociation and the infrared OH-emission, 19.10-575
  Temporal variations of mesopheric oxygen and ozone during auroral events (*with* **Aikin, A. C.**), 19.4-192
  Variations of polar mesospheric oxygen and oxone during auroral events (*with* **Aikin, A. C.**), 19.9-282
Maeda, Ken-ichi
  Effect of dynamo-electric field on the distribution of electrons trapped in the magnetosphere, 19.3-508
  See also **Kimura, I.,** 19.8-514; **Sato, T.,** 19.8-529; 19.10-553
Maeda, Sonosuke
  On the cold water belt along the Northern coast of Hokkaido in the Okhotsk Sea (Hydrography of the Okhotsk Sea, Pt. 1), 19.12-730
Maede, Hans
  Jahreszeitliche und jaehrliche Mittelwerte der Potsdamer Temperaturen und der Niederschlagshaeufigkeit in der DDR bei den Hoehenwetterlagen Mitteleuropas [Seasonal and annual means of temperature at Potsdam and precipitation frequency in East Germany for different upper air weather situations over Central Europe], 19.1-226
Maehlum, Bernt N.
  Mutual effect of precipitated auroral electrons and the auroral electrojet (*with* **O'Brien, B. J.**), 19.7-549
  Satellite and rocket particle observations in the auroral zone, 19.10-564
  Universal-time control of the low-energy electron fluxes in the polar regions, 19.10-634
Maekawa, T.
  Flow around the separation point and in the near-wake of a circular cylinder (*with* **Mizuno, S.**), 19.10-335
Maenhout, Andre George
  Synoptische studie van meteorologische invloeden op het vertikaal verloop van de brekingsindex voor zeer korte radiogolven [Synoptic study of the meteorological influences of the vertical gradient of the microwave refractive index], 19.7-252
Maeno, Norikazu
  Air bubble formation in ice crystals, 19.11-765
  Air bubbles in ice, 19.6-708
Maggs, J. E.
  Measurements of the thicknesses of auroral structures (*with* **Davis, T. N.**), 19.7-557
Magiricu, Victoria
  Determinarea continutului in ioni Cl- si SO4-din apele de precipitatii la Bucuresti [Determination of Cl- and SO4 -ion amounts in mass precipitation over Bucharest], 19.12-359
Maglieri, D. J., *see* **Garrick, I. E.,** 19.10-48
Magno, P. J.
  Plutonium in environmental and biological media (*with* **Kauffman, P. E.** and **Shleien, B.**), 19.4-202
Magnuson, Marvin D.
  Meteorological drought in Idaho: as expressed by the Palmer Index, 19.8-444; . . . in Montana: . . ., 19.8-445
  See also **Gifford, R. O.,** 19.7-403
Magono, Choji
  Frictional electrification of ice and change in its contact surface (*with* **Shio, H.**), 19.11-766
  See also **Lee, C. W.,** 19.7-429; **Tik, C.,** 19.3-283
Maguire, John J.
  Effect of the interplanetary field on the energy of geomagnetic disturbances (*with* **Carovillano, R. L.**), 19.11-585
  See also **Freeman, J. W., Jr.,** 19.2-470
Mahadevan, T. N., *see* **Joshi, L. U.,** 19.3-153
Mahajan, K. K.
  Incoherent backscatter study of electron content and equivalent slab thickness (*with* **Balarama Rao, P.** and **Prasad, S. S.**), 19.7-522
Maher, J. V.
  Accuracy of monthly mean temperatures computed from daily readings in whole degrees, 19.7-95
  See also **Gibbs, W. J.,** 19.1-305
Mahlman, J. D., *see* **Dirks, R. A.,** 19.2-260
Mahmood, Khalid
  Hydraulic research in West Pakistan, 19.3-678

Mahoney, James R.
Small scale velocity structure in the 30-60 km region deduced from paired ROBIN soundings (*with* **Boer, G. J., Jr.**), 19.6-346
Mahr, Jeno
Idojaras elorejelzes es a felhasznalok [Weather forecasting and the users of forecasts], 19.12-101
Mahringer, Werner
Kleinklimatische Windstudien in orographisch gegliedertem Gelaende [Microclimatic wind studies in an orographically varied landscape], 19.6-335
Maidens, A. L.
Measurement of surface wind, 19.2-96
Maier, William B., II
Reactions of He+ with N2 and O2 in the upper atmosphere, 19.9-595
Maine, R.
Computer graphic display of analyses (*with* **Hincksman, D. R.** and **Seaman, R. S.**), 19.12-64
Developments for an operational automatic weather analysis system in the Australian region (*with* **Seaman, R. S.**), 19.6-166
Experiments with the barotropic model in the Australian region, 19.12-170
Modifications to an operational numerical weather analysis system and application to rainfall (*with* **Gauntlett, D. J.**), 19.3-102
Restricted visibility statistics, selected western Australian stations, 19.10-486
Mainstone, J. S.
Plasma resonances of the magnetosphere, 19.3-509
Mainz. Universitaet. Meteorologisch-Geophysikalisches Institut, *see* **Bullrich, K.,** 19.7-298
Maiorskaia, S. V.
O sootnoshenii frontal'nykh i vnutrimassovykh osadkov na territorii Prichernomor'ia [Relationship between frontal and air mass precipitation in the Black Sea area] (*with* **Raevskii, A. N.**), 19.2-181
Mairhofer, J., *see* **Borowczyk, M.,** 19.9-852
Mairs, Donald F.
Surface chloride distribution in Maine lakes, 19.3-691
Maisuradze, P. A.
Graficheskii katalog magnitnykh bur' za 1958 g [Graphic catalog of magnetic storms during 1958] (*with others*), 19.3-487
Maitra, B.
Role of flood forecasting in flood control operations and the use of rainfall-runoff relationships in this respect (*with* **Chatterjee, A. C.**), 19.8-792
Maizuru, Japan. Marine Observatory
Report of the Hecateus Expedition-I in the Okhotsk Sea, 1966, 19.9-741
Majewski, Aleksander
Pierwsze polskie ksiazki popularne z oceanografii [First popular Polish books on oceanography], 19.11-689
Zasieg wplywow morza wujsciach rzek Wisly i Odry [Range of marine influences in the Vistula and Odra estuaries], 19.11-744
Majkrzak, Charles P.
Energy converter for unattended data-collecting buoys (*with* **Polgar, M. S.**), 19.9-746
Major, Jack
Potential evapotranspiration and plant distribution in western states with emphasis on California, 19.7-466
Majumdar, K. C.
Regional storm analysis (*with* **Rangarajan, R.**), 19.6-407
Makai, Margit (Csaszar)
Domborzati hatasok energetikai viszonyok tukreben [Orographical influences reflected by energy conditions], 19.12-171
Makarevich, K. G.
Raskhod l'da v lednikakh Talgara i ego rol' v stoke reki [Discharge of ice in the Talgar Glaciers and its role in river runoff] (*with* **Shabanov, P. F.**), 19.8-753
Makarevich, T. N.
Osennie ledovye iavleniia na rekakh Severnogo kraia i vozmozhnosti ikh prognoza [Ice phenomena in fall in rivers of the Northern Territory and possibilities of forecasting them] (*with* **Aniskina, N. A.** and **Efimova, Z. A.**), 19.5-723
Makarova, V. S.
Summarnoe isparenie i transpiratsiia risa v usloviiakh Golodnoi stepi [Total evaporation and transpiration of rice in the Golodnaya Steppe] (*with* **Bruevich, L. D.**), 19.3-271
Makerov, Iu. V.
Gidrologiia Kurosio i prilegaiushchikh raionov Tikhogo okeana [Hydrology of the Kuroshio and of adjacent regions of the Pacific Ocean], 19.11-722
Makharadze, G. M., *see* **Kartsivadze, A. I.,** 19.6-382
Makharashvili, A. Z.
Nekotorye voprosy issledovaniia aerozolei v nizhnikh sloiakh troposfery [Some aspects of aerosol studies in the lower layers of the troposphere], 19.6-224
Makhover, Z. M.
K statistike kharakteristik tropopauzy [Statistics of tropopause characteristics], 19.11-274
Korreliatsionnaia sviaz' vysoty tropopauzy s geopotentsialom i temperaturoi izobaricheskikh poverkhnosti [Correlations between the tropopause height and the geopotential and temperature of isobaric surfaces] (*with* **Nudel'man, L. A.** and **Rapota, S. N.**), 19.6-226
Nekotorye osobennosti kharakteristik tropopauzy [Some peculiarities of tropopause characteristics], 19.9-270
O prichinakh ustoichivogo polozheniia tsentra aziatskogo antitsiklona nad Mongoliei [Causes of the stability of the location of the Asian anticyclone center over Mongolia], 19.9-350
Maklakova, N. A.
Kolichestvennye kharakteristiki vzaimosviazi nekotorykh tsirkuliatsionnykh faktorov [Quantitative characteristics of the correlation

between some elements of the circulation], 19.5-239

Makowski, J.
Radiometricheskii metod kontrolia fil'tratsii v plotinakh i primykaiushchikh k nim gruntakh [Radiometric method of seepage control in dams and their environs], 19.12-808

Maksimov, I. V.
Geneticheskii metod prognoza mnogoletnikh kolebanii klimaticheskikh kharakteristik v okeane [Genetic method of forecasting long range fluctuations of climatic characteristics at sea] (*with* **Smirnov, N. P.**), 19.6-176
K izucheniiu "deviatisutochnogo" dolgoperiodnogo lunnogo priliva v moriakh vysokikh shirot Zemli [Study of the nine-day lunar tide in the seas of the Earth's high latitudes] (*with* **Vorob'ev, V. N.** and **Smirnov, N. P.**) [and Eng. transl.], 19.6-689
K izucheniiu nutatsionnoi migratsii islandskogo minimuma atmosfernogo davleniia [Study of the nutational migration of the Icelandic low] (*with* **Abramov, R. V.**), 19.4-226
Nutatsionnaia migratsiia Islandskogo minimuma atmosfernogo davleniia [Nutational migration of the Iceland minimum of atmospheric pressure] (*with others*) [and Eng. transl.], 19.11-324
O gravitatsionnoi prirode osnovnykh osobennostei obshchei tsirkuliatsii okeana i atmosfery v vysokikh shirotakh Zemli [Gravitational nature of main peculiarities of the general circulation of the ocean and the atmosphere in high latitudes above the Earth], 19.6-680
O kvaziperiodicheskom kharaktere dolgoperiodicheskikh izmenenii prilivoobrazuiushchei sily Luny i Solntsa [Quasi periodic character of long period variations of the tide forming force of the Moon and the Sun] (*with* **Vorob'ev, V. N.** and **Gindysh, B. V.**) [and Eng. transl.], 19.1-461
On the origin of the atmospheric activity centres, 19.12-200
Sily deformatsii i tsentry deistviia atmosfery v vysokikh shirotakh Zemli [Deformation forces and centers of atmospheric action in high latitudes], 19.4-221

Maksimova, M. P., *see* **Skopintsev, B. A.,** 19.4-642

Maksumov, M. N.
Kriticheskaia dlina volny v sisteme besstolknovitel'nogo gaza chastits i sploshnoi sredy v prisutstvii odnorodnogo magnitnogo polia [Critical wave length in the particle system of a collisionless gas and a continuous medium in a homogeneous magnetic field], 19.3-510

Makuashev, M. K.
Izmenenie spektra oblachnykh chastits pri padenii [Change in the spectrum of cloud particles during their fall], 19.9-485
K voprosu ob isparenii i roste kapel' v gazoobraznoi srede [Problem of evaporation and growth of droplets in a gaseous medium], 19.9-477

Malakhov, S. G.
Vliianie kolebanii ekskhaliatsii radona i torona na izmeneniia kontsentratsii etikh emanatsii i ikh dochernykh produktov v atmosfere [Influence of fluctuation of radon and thoron exhalation on changes in their concentration and that of their daughter products in the atmosphere] (*with* **Bakulin, V. N.**) [and Eng. transl.], 19.1-164
See also **Burtsev, I. I.,** 19.11-256

Malan, D. J.
Physics of the thunderstorm electric circuit, 19.1-341

Mal'bakhov, V. M., *see* **Perov, V. L.,** 19.5-246

Maletic, John T.
Selection and classification of irrigable land (*with* **Hutchings, T. B.**), 19.6-799

Malevskii-Malevich, S. P.
Metodika radiatsionnykh izmerenii temperatury vodnoi poverkhnosti [Method of radiation measurements of water surface temperature], 19.1-99
See also **Girdiuk, G. V.,** 19.1-211

Malik, A. A., *see* **Gunn, D. J.,** 19.5-255

Malik, Chester, *see* **Whitney, H. E.,** 19.8-535; 19.10-561

Malin, S. R. C.
Anomalous luni-solar daily variation in the geomagnetic field at Watheroo, Western Australia (*with* **Winch, D. E.**), 19.11-569
Luni-solar daily variations of the geomagnetic field at observatories in the British Isles during the IGY, 19.3-462
Luni-solar daily variations of the geomagnetic field at Tananarive during the International Geophysical Year, 19.1-433

Malina, F. J., *see* **Lunar International Laboratory (LIL) Symposium, Athens, Sept. 1965,** 19.6-30

Malinina, T. I.
Vodnyi balans Ladozhskogo ozera [Water balance of Lake Ladoga], 19.8-771

Maliphant, R. G.
Ionospheric refraction of high-frequency radio waves propagating between the Earth and orbiting satellites, 19.8-519

Malitson, Harriet H.
Solar electromagnetic radiation environment, 19.8-319

Maliutina, A. A.
Sutochnaia amplituda temperatury vozdukha pri razlichnykh minimal'nykh temperaturakh na iugo-vostoke Zapadnoi Sibiri [Diurnal atmospheric temperature amplitude in case of various minimum temperatures in southeastern West Siberia], 19.11-364
See also **Koshinskii, S. D.,** 19.12-251

Maljarova, G. V., *see* **Martynkevitch, G. M.,** 19.8-256

Malkus, William V. R.
Finite amplitude convection (*with* **Veronis, G.**), 19.12-172
Precession of the Earth as the cause of geomagnetism, 19.11-564

Mallen, Steven C., *see* **Hoffer, T. E.,** 19.8-414

Mallia, E. A.
Forbidden lines of OI in the photospheric spectrum, 19.12-627
Performance of a large echelle grating in a solar spectrometer, 19.6-628
See also **Lambert, D. L.**, 19.12-626
Mallik, A. K.
Southwest monsoon rains in West Rajasthan week by week (*with* **Godbole, B. H.**), 19.7-408
Malmberg, Svend Aage
Report on the Second Joint Icelandic-Norwegian Expedition to the area between Iceland and Greenland in Aug.-Sept. 1965 (*with* **Gade, H. G.** and **Sweers, H. E.**), 19.11-695
Malmqvist, L.
Los energy heavy primary particles in cosmic radiation, 19.7-575
Malone, Jerry H., *see* **Sinclair, D. H.**, 19.9-175
Malone, Thomas F.
Weather modification: implications of the new horizons in research, 19.2-122
Maloney, William E.
Study of the Antilles current using moored current meter arrays, 19.6-18
Malsor, Roy E.
Improvements of forecasts by forecast experience or "feel", 19.8-182
Maltby, P.
Effect of magneto-sonic waves on a Zeeman triplet with application to sunspots, 19.12-631
Evershed effect as a wave phenomenon (*with* **Eriksen, G.**), 19.5-590
Mal'tseva, N. F., *see* **Troitskaia, V. A.**, 19.7-537
Malville, J. McKim
Starting frequencies of type III bursts, 19.8-644
See also **Eddy, J. A.**, 19.2-513; **Evans, C.**, 19.5-586
Malyshev, A. B.
Nabliudenie effektov lokal'nogo uskoreniia elektronov vnutri magnitosfery [Observation of the effects of local acceleration of electronics in the magnetosphere] [and Eng. transl.], 19.10-544
Malysheva, A. E.
Dostizheniia v gigienicheskom normirovanii proizvodstvennogo mikroklimata [Accomplishments in the hygienic standardization of the industrial microclimate], 19.11-499
Mamaev, O. I.
O razvitii teorii T, S-krivykh dlia poluogranichennogo po glubine okeana [Development of a theory of T, S curves for an ocean semi-bounded in depth], 19.2-558
Shestidesiatiletie professora Alekseia Dmitrievicha Dobrovol'skogo [60th birthday of Professor Aleksei Dmitrievich Dobrovol'skii] [and Eng. transl.], 19.4-24
Vrashchenie Zemli i morskie techeniia [Earth's rotation and sea currents], 19.2-566
Mameli, D.
Some new investigations on the Ca and Mg content in sea water (*with* **Mosetti, F.**), 19.10-735
Mamichev, V. I., *see* **Dolbilkina, N. A.**, 19.3-661
Mamontov, B. S.
Nabliudeniia serebristykh oblakov v Smolenske v 1959-1961 gg [Observations of noctilucent clouds in Smolensk from 1959-1961], 19.5-368
Mamontov, N. V.
Pogodnye usloviia pri razlichnykh napravleniiakh vetra v iugo-vostochnoi chasti Zapadno-Sibirskoi nizmennosti [Weather conditions associated with various wind directions in the southeastern part of the West Siberian lowland], 19.12-282
Statisticheskie sviazi meteorologicheskikh elementov s temperaturoi vozdukha [Statistical relationships between meteorological elements and atmospheric temperature], 19.12-248
Mamrukov, A. P.
E_S v subavroral'noi zone po nabliudeniiam v Iakutske [E_S in a subauroral zone from observations in Yakutsk] [and Eng. transl.], 19.5-414
Mamuro, T., *see* **Matsunami, T.**, 19.11-290
Manabe, Daikaku
On the oceanographical frictional coefficient estimated from the change of wind velocity, ship's rolling angle, and the number of continued wave crest (*with* **Ishida, I.**), 19.10-383
On the types of the mean damping curves of rolling ships and their relations to the sea state (*with* **Ishida, I.**), 19.12-742
On wave steepness and oceanographic frictional coefficient (*with* **Ishida, I.**), 19.10-384
Manabe, Syukuro
General circulation of the atmosphere, 19.3-178
Manchester, R. N.
Correction of Pc 1 micropulsations at spaced stations, 19.10-618
Mancuso, Robert L.
Numerical procedure for computing fields of stream function and velocity potential, 19.3-55
See also **Endlich, R. M.**, 19.10-267; 19.11-191; **Viezee, W.**, 19.9-215
Mandadzhiev, Dimitur
Vurkhu meteorologichnite faktori na ottoka v porechieto na r. Iantra [Meteorological factors of the runoff in the basin of the Yantra River], 19.8-786
See also **Minchev, R.**, 19.8-782
Mandell, David A.
Single point and relative diffusion in unstable wall layers (*with* **O'Brien, E. E.**), 19.10-363
Mandel'shtam, S. L.
Issledovaniia rentgenovskogo izlucheniia Luny s pomoshch'iu sputnika Luny "Luna-10" [Investigations of X radiation from the Moon with the aid of the Moon satellite "Luna-10"] (*with* **Tindo, I. P.** and **Karev, V. I.**) [and Eng. transl.], 19.2-491
Rentgenovskoe izluchenie luny i rentgenovskii kosmicheskii fon po dannym sputnika Luny "Luna-12" [Lunar X-ray radiation and cosmic X-ray background according to data from the "Luna-12" lunar satellite] (*with others*) [and Eng. transl.], 19.11-632
Manheim, Frank T.
Soviet books in oceanography, 19.1-47
Mani, A.
Automatic radio-reporting raingauge, 19.9-188

Distribution of global and net solar radiation over the Indian Ocean (*with others*), 19.4-244
See also **Datar, S. V.**, 19.4-110; **Srivastava, G. P.**, 19.7-156

Manier, G.
Die Abhaengigkeit des Windprofilexponenten von der Turnerschen Ausbreitungsklasse [Relationship between wind profile exponents and Turner's distribution scale], 19.11-401

Manley, Gordon
Problems of the climatic optimum: the contribution of glaciology, 19.3-674

Mann, C. R.
Effect of aliasing on studies of long-term oceanic variability off Canada's coasts (*with* **Needler, G. T.**), 19.1-512

Manning, James C.
Measurements of winds and temperatures at altitudes up to 65 kilometers in the Southern Hemisphere (*with* **Chamberlain, L. W.**), 19.9-461

Manolov, Liudmil
Rezultati za zaprashenostta na prizemnata atmosfera po danni za sudurzhanieto na prakh vuv valezhite [Results on the dust content in the surface atmosphere from data of dust content of precipitation] (*with* **Teneva, M.**), 19.1-143
Vurkhu variatsiite na izkustvenata radioaktivnost na prizemniia vuzdushen sloi [Variations of artificial radioactivity in the surface air layer] (*with* **Teneva, M.**), 19.1-166
See also **Teneva, M.**, 19.9-296

Manson, Alan H.
Coupling effects between the ionosphere and stratosphere in Canada (45°N, 75°W), 1962-1966, 19.7-523

Mantan, D. C., *see* **Banerji, S.**, 19.7-840; **Dhar, O. N.**, 19.6-396, 405

Mantas, G. P., *see* **Evans, J. V.**, 19.9-577

Mantel, Nathan, *see* **Epstein, S. S.**, 19.6-95

Manuel, O. K., *see* **Canalas, R. A.**, 19.12-608

Manuilov, K. N.
Principles of the construction and experience in the operation of automatic weather stations in the U.S.S.R., 19.4-131
Use of elastic links in hydrometeorological instruments [Transl. from Russ.], 19.8-110
See also **Usol'tsev, V. A.**, 19.8-137

Manzoni, G.
Theoretical evaluation of the perturbation on power spectra due to random errors in the spacing of the sampling instants, 19.10-600

Marangunic, Cedomir, *see* **Bull, C.**, 19.11-773

Marbach, James R.
Evidence of nonfission electron in the South Atlantic anomaly (*with* **Warren, C. S.** and **Lindsey, R. S.**), 19.10-625

Marchenko, A. S.
Tsepi Markova i veroiatnost' neblagopriiatnoi pogody na aviatsionnom marshrute [The Markov chain and probability of unfavorable weather along the air route], 19.3-35
See also **Krylov, E. V.**, 19.11-109

Marchgraber, R. M.
Solar radiation as a meteorological parameter and its measurement, 19.5-211

Marchuk, Gurii Ivanovich
Chislennye metody v prognoze pogody [Numerical methods in weather forecasting], 19.5-6
Kratkosrochnyi prognoz pogody po polnym uravneniiam na ogranichennoi territorii [Short range weather forecasting using primitive equations for a restricted region] (*with* **Kontarev, G. R.** and **Rivin, G. S.**) [and Eng. transl.], 19.5-145
O chislennom reshenii zadach prognoza pogody [Numerical solution of weather prediction problems], 19.1-117
O nelineinykh zadachakh okeanicheskoi tsirkuliatsii [Non-linear problems of oceanic circulation] [and Eng. transl.], 19.7-743
O reshenii zadach atmosfernoi optiki metodom Monte-Karlo [Solution of problems in atmospheric optics by the Monte-Carlo method] (*with* **Mikhailov, G. A.**) [and Eng. transl.], 19.2-323

Marcotte, L., *see* **Lovett, J.**, 19.2-205

Marcu, Gh., *see* **Stoica, C.**, 19.11-400

Marcus, Allan H.
Stochastic coalescence, 19.6-375

Marcus, Sidney O., Jr.
Evaluation of NOMAD-II data in their meteorological and oceanographic applications, 19.3-625

Marfenko, O. V.
Accuracy of temperature-wind sounding of the atmosphere [Transl. from Russ.], 19.8-136
Rezul'taty issledovaniia vliianiia napriazheniia istochnikov pitaniia na izmerenie temperatury radiozondom RKZ-1A [Studying the effect of power supply voltage on temperature measurements with the RKZ-1A radiosonde] (*with* **Markelova, K. I.**), 19.9-191

Margetin, V.
Voda pre zavlahy v oblasti Vychodoslovenskej niziny [Water for irrigation systems in the East Slovakian lowland], 19.7-858

Marggraf, W. A., *see* **Griggs, M.**, 19.8-327

Mariano, Joseph, *see* **Ohring, G.**, 19.12-602

Marine Technology Society, *see* **International Buoy Technology Symposium, 2nd, Wash., D. C., Sept. 1967**, 19.1-18

Mariner Stanford Group
Venus: ionosphere and atmosphere as measured by dual-frequency radio occultation of Mariner V., 19.7-668

Mariners Weather Log, [Wash., D. C.]
Pressure characteristics and change ($D_sV_s$app), 19.4-142
Typhoons of the western North Pacific, 1966, 19.3-195

Marinov, N. A.
Merzlaia zona Azii [Frozen zone of Asia], 19.11-373

Markelova, K. I., *see* **Marfenko, O. V.**, 19.9-191

Markocheva, K. M.
Izuchenie formirovaniia stoka nanosov na

raspakhannom sklone [Study of the formation of alluvium flow on a plowed slope], 19.8-787
Markova, O. L.
Vliianie karsta na stok vesennego polovod'ia [Effect of karst on spring flood runoff], 19.3-718
Vodnyi balans i stok v usloviiakh pokrytogo karsta [Water balance and runoff under conditions of covered Karst], 19.7-798
Water balance and flow under mantled karst conditions [Transl. from Russ.], 19.10-783
Marlatt, William E.
Effect of weather modification on physical processes in the microclimate, 19.7-196
See also **Salomonson, V. V.**, 19.10-289
Marov, M. Ia.
O temperature i plotnosti termosfery v period glubokogo minimuma slonechnoi aktivnosti [Thermospheric temperature and density during a low minimum of solar activity] [and Eng. transl.], 19.10-204
Some additional data on atmospheric density at altitudes of 200-300 km, 19.6-195
Soviet data on densities and scale heights at altitudes greater than 150 km, 19.8-255
Marquardt, Wolfgang
Einfluesse auf die natuerliche Radioaktivitaet in der bodennahen Luftschicht [Influences on the natural atmospheric radioactivity near the ground], 19.11-284
Marquet, W. M.
Alvin instrumentation, 19.11-696
Marr, John W.
Data on mountain environments, Pt. 1, 19.9-544
Marriott, John
Ocean buoys: a guide to ocean buoys, their instrumentation, anchoring, and power supplies, 19.12-678
Marsh, J. S., *see* **Ashwell, Ian Y.**, 19.2-263
Marsh, K. J.
Experimental study of the dispersions of the emissions from chimneys in reading, Pt. 1 (*with* **Foster, M. D.**), 19.2-139
Experimental study of the emissions from chimneys in reading, Pt. 2 (*with* **Bishop, K. A.** and **Foster, M. D.**), 19.2-106
Marshall, Ernest W.
Air photo interpretation of Great Lakes ice features, 19.6-727
Marshall, L. C., *see* **Berkner, L. V.**, 19.1-134
Marshall, N. B., *see* **Jelly, K. C. P.**, 19.4-705
Marshall, N. J., *see* **Burton, J. D.**, 19.9-768
Marshunova, M. S.
Sravnitel'naia kharakteristika radiatsionnogo rezhima Arktiki i Antarktiki [Comparative characteristics of the Arctic and Antarctic radiation regime] (*with* **Rusin, N. P.**), 19.2-195
Martell, E. A.
Tungsten radioisotope distribution and stratospheric transport processes, 19.2-149
Martelli, G.
Some comments on atmospheric measurements from satellite-borne experiments (*with* **Chimonas, G.**), 19.1-67
Martin, Arnold W.
Propulsion system dynamic simulation theory and equations, 19.10-646
Martin, Dean F.
Coordination chemistry of the oceans, 19.9-769
Marine chemistry, Vol. 1, Analytical methods, 19.12-26
Martin, Donald E.
Air Weather Service applications of numerical techniques to forecasting, 19.7-171
Martin, F. L.
Numerical procedure for computation of outgoing terrestrial flux based upon the Elsasser-Culbertson model with tests applied to model-atmosphere soundings (*with* **Tupaz, J. B.**), 19.12-244
Martin, J. F.
Influence des fumees d'usines sur la distribution des lichens dans la vallee de la Romanche (Isere) (*with* **Jacquard, F.**), 19.11-267
Martin, S. Clark, *see* **Green, C. R.**, 19.4-336
Martin, Seelye
Slow motion of a finite flat plate through a viscous stratified fluid, 19.12-173
Martinec, Jaroslav
Berechnung der Geschwindigkeit unter Beruecksichtigung der messbaren Flussgerinneparameter [Calculating velocity taking into account measurable river channel parameters], 19.4-753
Rychlostni ztraty v nepravidelnych ricnich tratich [Velocity losses in irregular river channels], 19.6-755
Snow cover density changes in an experimental watershed, 19.3-314
Martinelle, Sten
Air pressure dependence of cosmic ray intensity: methods and results of a statistical analysis on neutron monitor data, 19.12-520
Martinez, L. C.
New model of evaporimeter, 19.6-150
Martini, A., *see* **Masani, A.**, 19.3-511
Martinot-Lagarde, Andre
Physical similitude: examples of applications to fluid mechanics [Transl. from French], 19.2-14
Martinov, Martin
Roliata na visokoto stratosferno vuzdeistvie i na toplinata ot kondenzatsiia za tsiklogeneza pri zemiata [The role of the high-stratospheric effect and of the condensation heat in cyclogenesis at the Earth], 19.8-298
Silna buria i gradushka v Pazardzhishko i Plovdivsko na 15 iuni 1966 g [Severe hailstorm in the Pazardjik and Plovdiv districts on June 15, 1966], 19.2-300
Martsvaladze, N. M., *see* **Fishkova, L. M.**, 19.2-148; 19.8-248
Martynkevitch, G. M.
Neutral composition of the Arctic upper atmosphere: preliminary results (*with* **Bjuro, E. D.** and **Maljarova, G. V.**), 19.8-256
Martyshchenko, O. I.
Priroda bystrykh elektronov v usloviiakh atmosfery Solntsa [Nature of fast electrons under

solar atmospheric conditions] [and Eng. transl.], 19.1-448

Maruyama, Eizo

Rice cultivation and water balance in Thailand, 19.11-87

Maruyama, Taketo

Evidence of large-scale wave disturbances in the equatorial lower stratosphere (*with* **Yanai, M.**), 19.2-165

Large-scale disturbances in the equatorial lower stratosphere, 19.7-274

See also **Yanai, M.**, 19.2-150

Marvin, Joseph G., *see* **Akin, C. M.**, 19.8-278

Marwick, Charles

Beating the weather in Minnesota, 19.5-158

Rough scene near Tycho, 19.7-661

Step nearer the Moon, 19.5-105

Marwitz, John D.

Cloud nuclei spectra and updrafts beneath convective cloud bases in the high plains (*with* **Auer, A. H., Jr.**), 19.9-466

See also **Auer, A. H., Jr.**, 19.11-228; **Blevins, L. L.**, 19.10-501

Marx, Siegfried

Die Tagessummen des Niederschlages am 7. Juli 1906 im oberen Elbegebiet [Daily precipitation totals on July 7, 1906 in the upper Elbe region], 19.5-313

Masani, A.

Shock waves at high densities, Pt. 2 (*with* **Ferrari, A.** and **Martini, A.**), 19.3-511

Masenkis, A. S.

Primenenie uravnoveshennykh sharov iz polietilena dlia issledovaniia struktury vetra v verkhnei troposfere [Use of balanced polyethylene balloons for studying wind structure in the upper troposphere] (*with* **Patsaeva, V. A.**), 19.5-99

Masley, A. J.

Solar cosmic ray activity, 19.5-449

Maslova, L. M.

Difraktsiia poverkhnostnoi volny na polubeskonechnoi anizotropno provodiashchei ploskosti v ploskom volnovode [Diffraction of a surface wave on a semi-infinite anisotropically conducting plane in a horizontal wave guide] [and Eng. transl.], 19.12-160

Mason, B. J.

Forecasting the weather by computer, 19.10-161

See also **Brownscombe, J. L.**, 19.5-715; **Kuhns, I. E.**, 19.8-416

Mason, Earl S.

Building and tracking of mylar constant density balloons at low cost, 19.11-141

Mason, G. R., *see* **Pearce, R. M.**, 19.3-434

Mass, Jonathan

Magnetic field-aligned ionization layers observed by Faraday rotation of satellite signals (*with* **Houminer, Z.**), 19.3-394

Massachusetts Institute of Technology, Cambridge

Oceanographic research at M.I.T. in the Department of Geology and Geophysics and the Department of Meteorology, 19.8-39; 19.10-708

MIT. Dept. of Meteorology, *see* **Cramer, H. E.**, 19.1-246; **Mahoney, J. R.**, 19.6-346; **Mollo-Christensen, E.**, 19.4-681; **Sanders, F.**, 19.2-19

MIT. Research Laboratory of Electronics, *see* **Fiocco, G.**, 19.9-262

MIT. Weather Radar Research, *see* **Austin, P. M.**, 19.7-111

Mastenbrook, H. J.

Water vapor distribution in the stratosphere and high troposphere, 19.7-366

Masterson, John, *see* **Lanterman, W. S., Jr.**, 19.9-122

Masuzawa, Jotaro

Ryofu-Maru's survey for CSK in Jan. to March 1967, 19.11-697

Matalas, N. C.

Mathematical assessment of synthetic hydrology, 19.3-681

See also **Benson, M. A.**, 19.3-679

Mather, John R., *see* **Thornthwaite, C. W., Associates, Lab. of Climatology, Elmer, N. J.**, 19.6-287

Mather, K. B.

Notes on topographic factors affecting the surface wind in Antarctica, with special reference to katabatic winds (*with* **Miller, G. S.**), 19.11-393

Mather, Kirtley F.

Source book in geology 1900-1950 (*ed.*), 19.6-31

Matheson, D. H., *see* **Stewart, I. M.**, 19.7-235

Mathews, D. L.

Simultaneous observation of electron fluxes, ionization and luminosity in an aurora (*with* **Clark, T. A.**), 19.7-545

Mathews, W. H., *see* **Mackay, J. R.**, 19.12-407

Mathis, Serge

Etude de la penetration des perturbations electromagnetiques naturelles sous les oceans au moyen de reseaux analogiques a resistances et capacites, 19.5-453

Matiagin, V. S.

Poliarimetriia khvosta komety Ikeia-Seki [Polarimetry of the Ikeya-Seki comet tail] (*with* **Sabitov, Sh. N.** and **Kharitonov, A. V.**), 19.6-608

Matiukhin, V. I.

O skorosti perenosa vzveshennykh chastits razlichnoi krupnosti gorizontal'nym potokom [Speed of transport of suspended particles of different sizes by horizontal currents] (*with* **Prokof'ev, O. N.**), 19.6-685

Matorin, S. V.

Vybor ratsional'nogo rezhima nazemnykh ispytanii radiozondovykh obolochek [Selection of a rational regime for ground-based tests of sounding balloons] (*with* **Gorbunov, V. P.**), 19.3-69

Mats, L. I.

O tsirkuliatsii patogennykh mikroorganizmov i virusov v pochve, vode i vozdukhe [The circulation of pathogenic microorganisms and viruses in the soil, water and air] (*with* **Korsh, L. E.**), 19.3-43

Matsoukas, D., *see* **Anastassiades, M.**, 19.11-526

- **Matsuike, Kanau**
  - Study on the optical characteristics of the waters in the three oceans, Pt. 1, 19.9-765
- **Matsumoto, H.,** *see* **Kimura, I.,** 19.8-585
- **Matsumoto, Seiichi**
  - Cumulus activities in relation to the mesoscale convergence field (*with* **Ninomiya, K.** and **Akiyama, T.**), 19.3-252
  - On the mesoscale warm core above the condensation level related to convective activities under the influence of dome shaped cold air (*with* **Ninomiya, K.**), 19.3-185
  - *See also* **Ninomiya, K.,** 19.12-380
- **Matsunami, T.**
  - Uranium in fallout particles (*with* **Mamuro, T.**), 19.11-290
- **Matsuo, Sadao**
  - Deuterium content in fractionally collected rainwater (*with* **Friedman, I.**), 19.5-301
  - Gas composition in ice samples from Antarctica (*with* **Miyake, Y.**), 19.5-719
- **Matsushima, Satoshi**
  - [Discussion of] J. M. Rosen: Vertical distribution of dust to 30 kilometers, 19.9-264
  - *See also* **Hansen, J. E.,** 19.5-564
- **Matsushita, Sadami**
  - Geomagnetic disturbances and storms, 19.11-567
  - Ionosphere, 19.4-433
  - Lunar tides in the ionosphere, 19.5-8
  - Physics of geomagnetic phenomena (*with* **Campbell, W. H.**) (*eds.*), 19.10-21
  - Polar daily geomagnetic disturbances, 19.11-570
  - Solar quiet and lunar daily variation fields, 19.10-616
  - Sq and L current systems in the ionosphere, 19.12-497
  - *See also* **Abhirama Reddy, C.,** 19.8-496; 19.12-463; **Campbell, W. H.,** 19.1-428; **Kato, S.,** 19.12-492; **Saito, T.,** 19.4-518
- **Matsuura, Oscar T.**
  - Apparent sky temperatures and tropospheric absorption on solar radiation at 7 GHz (*with* **Kaufmann, P.**), 19.8-243
  - *See also* **Kaufmann, P.,** 19.6-575
- **Mattana, Nicolo**
  - Correnti atmosferiche in quota sull'isola di Sardegna nel periodo 1948-1963, confronto con una serie di dati in Val Padana (*with* **Sanna, S.** and **Serra, A.**), 19.4-303
- **Matthes, R. Kenneth, Jr.,** *see* **McWhorter, J. C.,** 19.8-436
- **Matthews, P. A.**
  - Signal processing in antennas, 19.9-31
- **Mattsson, Rolf,** *see* **Kauranen, P.,** 19.5-183
- **Matur, L. S.**
  - Razvitie radiolokatsionnoi meteorologii v Indii [Progress of radar meteorology in India], 19.9-138
- **Matushevskii, G. V.**
  - Raschet transformatsii dvumernogo energeticheskogo spektra voln v melkovodnoi zone na primere raiona Neftianykh kamnei [Computation of the transformation of a two-dimensional energy wave spectrum in a shallow zone as illustrated in the region of Neftianye Kamni] (*with* **Strekalov, S. S.**), 19.4-689
- **Matuura, N.**
  - Effect of the ionosphere on the upper atmospheric rotation, 19.12-498
- **Matveev, L. T.**
  - Dinamika formirovaniia i prognoz sloistoobraznykh oblachnykh sistem [Dynamics of formation and the forecasting of stratiform cloud systems], 19.1-118
  - Fundamentals of general meteorology: physics of the atmosphere [Transl. from Russ.], 19.9-1
  - K obosnovaniiu tochnosti izmereniia temperatury i vlazhnosti vozdukha v svobodnoi atmosfere [Basis of accuracy in measuring air temperature and humidity in the free atmosphere], 19.3-51
  - *See also* **Kazakova, N. A.,** 19.11-421
- **Matveeva, Z. N.,** *see* **Filippov, D. M.,** 19.12-717
- **Maude, A. D.,** *see* **Down, W. H.,** 19.12-476; **Jones, D.,** 19.12-491
- **Mauersberger, K.**
  - Mass spectrometric determination of the neutral constituents in the lower thermosphere above Sardinia (*with others*), 19.7-240
- **Maunder, W. J.**
  - Effect of signification climatic factors on agricultural production and incomes: a New Zealand example, 19.3-37
- **Maurer, S. J.**
  - Ray methods for guided modes (*with* **Felsen, L. B.**), 19.10-75
- **Mauritius. Meteorological Dept.**
  - Annual Report, 1965, 19.1-43
- **May, B. R.,** *see* **Bain, W. C.,** 19.10-512
- **Mayaud, P. N.**
  - Calcul preliminaire d'indices Km, Kn et Ks ou am, an et as, mesures de l'activite magnetique a l'echelle mondiale et dans les hemispheres Nord et Sud, 19.12-540
  - Correlation entre les variations journalieres du champ magnetique terrestre sous l'electrojet equatorial et dans les regions avoisinantes, 19.3-461
- **Maybank, J.**
  - Micrometeorological activities of the Saskatchewan Research Council, 19.2-315
- **Mayer, C. H.**
  - Radio observations of the planets, 19.9-30
- **Maynard, James A.,** *see* **Cox, S. K.,** 19.12-258
- **Mayne, J. R.,** *see* **Newberry, C. W.,** 19.11-410
- **Mayr, H. G.,** *see* **Brace, L. H.,** 19.9-575
- **Mazeika, P. A.**
  - Thermal domes in the eastern tropical Atlantic Ocean, 19.1-568
- **Mazets, E. P.,** *see* **Konstantinov, B. P.,** 19.1-142
- **Mazin, I. P.**
  - Sviaz' pul'satsii peresyshcheniia v oblakakh s pul'satsaiiami temperatury i verikal'nykh potokov [Relationship between supersaturation pulsations in clouds and pulsations of temperature and vertical currents], 19.12-330
  - *See also* **Borovikov, A. M.,** 19.12-345
- **Mazzarella, Daniel A.**
  - Sometimes on Sunday – it rains, 19.6-449
- **Mazzucconi, F.,** *see* **Godoli, G.,** 19.7-696

- **Mead, G. D.,** *see* **Nakada, M. P.,** 19.3-496
- **Meadows, A. J.**
  - Planetary and space environments, 19.11-647
- **Meadows, James W., Jr.,** *see* **McGinnies, W. G.,** 19.12-441
- **Mech, Stephen J.**
  - Water erosion under irrigation (*with* **Smith, D. D.**), 19.8-780
  - Wind erosion on irrigated lands (*with* **Woodruff, N. P.**), 19.7-349
- **Mechtly, E. A.**
  - Growth of the D-region at sunrise (*with* **Smith, L. G.**), 19.7-524
  - Lower ionosphere electron concentration and collison frequency from rocket measurements of Faraday rotation, 19.3-395
  - *See also* **Monro, P. E.,** 19.12-500
- **Medaliev, Kh. Kh.**
  - Zamoraahivania individual'nykh kapel' vody pod vliianiem aerozolei l'doobrazuiushchikh veshchestv [Freezing of individual water droplets under the action of aerosols of ice-forming substances] (*with* **Sulakvelidze, G. K.**), 19.7-380
- **Medd, W. J.**
  - Absolute calibration of signal intensities, 19.9-31
- **Medema, J.,** *see* **Houtman, J. P. W.,** 19.11-118
- **Mednikova, E. S.,** *see* **Ivanov, V. V.,** 19.12-795
- **Medvedev, B. A.**
  - Sinopticheskie usloviia povtoriaemosti oblachnosti s razlichnoi vysotoi nizhnei granitsy v Krymu [Synoptic conditions of the frequency of clouds with varying heights of the lower boundary in the Crimea], 19.6-389
- **Mee, Thomas R.,** *see* **Simpson, J. (S.),** 19.11-249
- **Meecham, William C.**
  - Effect of atmospheric wind structure on shorter-period, nuclear-generated infrasound, 19.5-254
- **Meerson, T. I.**
  - Raschet dekadnogo pritoka v vodokhranilishche Kievskoi GES za letne-osennii sezon [Computation of decadal inflow into the reservoir of the Kiev Hydroelectric Station during the summer-fall season], 19.3-353
- **Mees, Quentin M.**
  - Tucson air pollution, 1959-1964, 19.8-234
- **Meeus, Jean**
  - Nieuws van de zonne-aktiviteit [Solar activity news], 19.4-589
- **Megaw, W. J.**
  - Electrical mobility of sub-micron particles (*with* **Wells, A. C.**), 19.12-456
- **Megehee, L. D., Jr.,** *see* **Wolff, P. M.,** 19.9-763
- **Mehta, Mukul M.,** *see* **Jury, S. H.,** 19.6-307
- **Meier, Mark F.**
  - Why study glaciers? 19.4-351
- **Meiman, James R.**
  - Long-chain alcohol suppression of snow evaporation (*with* **Slaughter, C. W.**), 19.2-268
  - *See also* **Kunkle, S. H.,** 19.2-599
- **Mein, Pierre**
  - Etude spatio-temporelle de la granulation solaire: amelioration des images deformees par l'agitation atmospherique, 19.11-674
- **Meinke, H. H.**
  - Two-dimensional electromagnetic wavefields presented by help of a motion film, 19.9-31
- **Meister, Bernard J.,** *see* **Scheele, G. F.,** 19.8-418
- **Meladze, G. G.**
  - Dolgosrochnyi agrometeorologicheskii prognoz urozhaia chaia [Long range agrometeorological forecasting of the tea harvest], 19.3-114
- **Melbourne, W. G.**
  - Radar determination of the radius of Venus (*with* **Muhleman, D. O.** and **O'Handley, D. A.**), 19.10-663
- **Melin, Ragnar**
  - Vattenfoeringens 10-aariga och 30-aariga fluktuationer under 1900-talet [Ten and thirty year fluctuations of runoff during the nineteen hundreds], 19.9-861
- **Melkonyan, G. I.,** *see* **Gudkovich, Z. M.,** 19.11-748
- **Mellen, R. H.**
  - Underwater acoustic scattering from Arctic ice, 19.5-647
- **Mellor, Malcolm**
  - Ice cap strains and some effects on engineering structures (*with* **Reed, S. C.**), 19.10-774
  - Some optical properties of snow, 19.3-316
- **Mel'nik, V. I.,** *see* **Bairachenko, I. V.,** 19.2-487
- **Meloy, Thomas**
  - Size distribution of lunar surface materials (*with* **O'Keefe, J. A.**), 19.9-675
- **Melson, Lewis B.**
  - Oceanographic research ships and their instrumentation, 19.1-19
- **Melville, W.**
  - Die Fahrt der "Nowoworonesch" und der Noerdliche Seeweg [The "Nowoworonesch" trip and the northern route], 19.7-712
- **Menard, H. W.,** *see* **Sclater, J. G.,** 19.5-689
- **Mende, S. B.**
  - Experimental investigation of electric fields parallel to the magnetic field of the auroral ionosphere, 19.7-550
- **Mendel, Annick,** *see* **Lebeau, A.,** 19.9-592; 19.10-542
- **Mendell, R. B.,** *see* **Korff, S. A.,** 19.11-556
- **Mendenhall, Bruce R.**
  - Statistical study of frictional wind veering in the planetary boundary layer, 19.6-242
- **Mendes, Aracy M.,** *see* **Kaufmann, P.,** 19.7-512
- **Meng, C. I.**
  - Geomagnetic storm of April 17-18, 1965 (*with* **Akasofu, S. I.**), 19.5-501
- **Menon, M. G. K.,** *see* **Gokhale, G. S.,** 19.4-218
- **Menon, Velayudh Krishna,** *see* **Krishna Menon, Velayudh**
- **Menzel, Donald H.,** *see* **Shore, B. W.,** 19.12-13
- **Menzel, Ronald G.**
  - Airborne radionuclides and plants, 19.6-236
- **Mepistsveridze, E. I.**
  - O vvedenii popravki v raschetnyi prognoz [Introduction of corrections in numerical forecasting], 19.11-179
  - Ob effektivnosti podschetov empiricheskikh funktsii vliianiia po tipam tsirkuliatsii [Effectiveness of calculating the empirical function of

influence according to types of circulation], 19.5-155
Predvychislenie znachenii H_{500} na estestvennyi sinopticheskii period [Numerical forecasting of 500 mb heights for a natural synoptic period], 19.2-108
Mercer, John H.
Glacier resurgence at the Atlantic/sub-Boreal transition, 19.4-373
Glaciers of the Antarctic, 19.5-716
Mercouroff, W.
Propagation d'ondes electromagnetiques dans les solides conducteurs, 19.9-31
Mercy, Kenneth R.
Environmental test contribution to spacecraft reliability, 19.4-564
Merilees, P. E.
Equations of motion in spectral form, 19.12-187
Interpretation of barotropic instability in terms of the frequency of momentum convergence, 19.3-159
Merlivat, Liliane
Etude isotopique d'un glacier en Antarctique (*with others*), 19.3-673
Etudes isotopiques en profondeur d'un glacier en Antarctique (*with others*), 19.9-805
Fractionnement isotopique lors des changements d'etat solide-vapeur et liquide-vapeur de l'eau a des temperatures inferieures a 0°C (*with* **Nief, G.**), 19.6-393
Merriman, G. M.
Fluorides and other chemical air pollutants affecting animals, 19.6-209
See also **Bryan, J. G.**, 19.7-178
Merritt, Earl S.
Atlantic upper tropospheric circulations and tropical cyclone development, 19.7-237
Studies of TIROS and Nimbus radiometric observations (*with others*), 19.12-85
See also **Beran, D. W.**, 19.9-643; 19.10-364
Merritt, Lester P.
Preliminary quantitative analysis of airborne weather radar, 19.8-147
Merson, R. H.
Brief survey of satellite orbit determination, 19.7-633
Mertins, H. O.
Starkes Meeresleuchten im Atlantik [Intensive sea phosphorescence in the Atlantic], 19.4-632
Mertsalov, A. N.
Prostranstvennoe detsentrirovanie iakobiana [Spatial nonalignment of the Jacobian], 19.3-115
Mertsalova, N. B.
Raschet statisticheskikh parametrov i primenenie ikh v okeanograficheskikh issledovaniiakh [Computation of statistical parameters and their application to oceanographic research], 19.4-674
Mertsalova, O. B.
Izmenchivost' mezhsloinykh raznostei temperatury v svobodnoi atmosfere [Variability of temperature differences between layers in the free atmosphere], 19.7-326
Meshchaninova, N. B., *see* **Razumova, L. A.**, 19.4-44
Meszaros, Agnes (Nagy)
Lekori aeroszol-reszecskek ultramikroszkopos vizsgalata [Ultramicroscopic investigation of atmospheric aerosol particles], 19.1-144
Meszaros, Erno
Determination of the washout coefficient of artificial radioactive particles (*with* **Simon, A.**), 19.2-153
Mesterseges radioaktivitas vertikalis eloszlasa a talajkozeli 300 m-es legretegben [Distribution of artificial radioactivity in the lowest 300 meter layer of the atmosphere] (*with* **Simon, A.**), 19.1-167
See also **Goetz, G.**, 19.7-344, 439
Metal'nikov, A. P., *see* **Sukhovei, V. F.**, 19.12-720
Metcalf, W. G.
Origin of the Atlantic equatorial undercurrent (*with* **Stalcup, M. C.**), 19.1-565
Meteorologiia i Gidrologiia, [Moscow]
Sistema sputnikov na sluzhbe meteorologii v Glavnom upravlenii gidrometeorologicheskoi Sluzhby pri Sovete Ministrov SSSR [System of artificial satellites in the service of meteorology at the Principal Administration of the Hydrometeorological Service of the Council of Ministers of the U.S.S.R.], 19.5-117
Meteorology and Hydrology, No. 1 [Jan.] 1967 [Transl. from Russ.], 19.3-28
Meteorology Research, Inc., Altadena, Calif., *see* **Roberts, J. A.**, 19.7-457
Metzler, Allan R.
Deep ocean surface wave measuring buoy system (*with* **Olsen, K. H.**), 19.9-756
Meunier, Jean
Oscillations telluriques de periode lunaire enregistrees dans la Mayenne, a 60 km de la mer, 19.10-604
Mevers, G. E., *see* **Fried, D. L.**, 19.3-363
Meyer, L.
Comparaison des caracteristiques de la couche de neige des deux hivers 1964-1965 et 1965-1966 au Col de Porte (Isere), France, 19.5-325
Meyer, R. E.
Physical oceanography, 19.5-693
Meyerott, R. E., *see* **Johnson, R. G.**, 19.2-399
Mezentsev, V. S.
Struktura teplovogo i vodnogo balansov Zapadno-Sibirskoi ravniny i severnogo Kazakhstana [Heat and water balance structure of the West Siberian plain and North Kazakhstan], 19.12-219
Mezhennaia, L. M., *see* **Belinskii, V. A.**, 19.2-209
Mezher, G. C., *see* **Schoute-Vanneck, C. A.**, 19.4-558
Miami. Univ., Coral Gables, Fla. Inst. of Marine Sciences, *see* **Andrews, G. F.**, 19.7-159; **Gerrish, H. P.**, 19.3-292; **Hiser, H. W.**, 19.2-73; **Senn, H. V.**, 19.2-175
Michael, Glen A., *see* **Castelli, J. P.**, 19.2-482
Michalczewski, Marian
Proba zastosowania nowych barwnikow do wyznaczania metoda kolorymetryczna objetosci przeplywu w malych ciekach [Tenta-

tive use of new dyes in the colorimetric method of discharge determination in small water courses], 19.9-123

Michard, P.
Nonhomogeneous structure of the solar atmosphere, 19.12-639

Michard, Raymond
Le soleil, 19.7-682

Michaux, C. M.
Handbook of the physical properties of the planet Mars, 19.5-572

Michel, F. C.
Magnetic field structure behind the Moon, 19.8-655
Mechanism for acceleration of electrons to relativistic energies, 19.12-517
Shock wave trailing the Moon, 19.4-543

Michelangeli, Armando
Address delivered at the inaugurational session [of the 5th Technical Conference on Hurricanes and Tropical Meteorology, Caracas, Venezuela, Nov. 20-28, 1967] by the President of the Venezuela National Committee, 19.9-340

Michigan. Northern Michigan Univ., Marquette, *see* **Monahan, E. C.,** 19.10-385

Michigan. Univ., Ann Arbor. Dept. of Aerospace Engr., *see* **Drayson, S. R.,** 19.8-336

Michigan. Univ., Ann Arbor. Dept. of Met. and Oceanography, *see* **Bradley, J. H. S.,** 19.8-292; **Drayson, S. R.,** 19.8-337; **Hayden, C. M.,** 19.8-171

Michigan. Univ., Ann Arbor. Great Lakes Research Div.
General information on program and organization of the Great Lakes Research Division, 19.9-724

Michigan. Univ., Ann Arbor. Office of Research Administration, *see* **Chaney, L. W.,** 19.2-16

Michurin, B. N.
Relationship between moisture content, moisture tension, and specific surface area in soil (*with* **Lytayev, I. A.**) [Transl. from Russ.], 19.11-809

Middlehurst, Barbara M.
Nebulae and interstellar matter (*with* **Aller, L. H.**) (*eds.*), 19.8-25
Transient changes on the Moon, 19.2-492

Middleton, John T.
Air: an essential resource for agriculture, 19.6-210

Midgley, J. E., *see* **Johnson, F. S.,** 19.9-679

Mielke, Paul W., Jr., *see* **Grant, L. O.,** 19.7-210; 19.11-238

Miers, Bruce T.
Stratospheric winds over Panama, 19.4-304
See also **Beyers, N. J.,** 19.4-268; 19.5-235

Miesch, A. T.
Geologic data: some comments on quality, 19.5-31

Mihalas, Dimitri
Statistical-equilibrium model atmospheres for early-type stars, Pt. 2, 19.6-634; Pt. 3 (*with* **Stone, M. E.**), 19.6-635

Mihalov, J. D.
Configuration and reconnection of the geomagnetic tail (*with others*), 19.7-580

Mihara, Yoshiaki, *see* **Raney, F. C.,** 19.7-332

Mikerina, N. V.
Nabliudaemye sootnosheniia mezhdu skorost'iu izmeneniia Sq-variatsii geomagnitnogo polia i zemnymi tokami [Observed relations between the speed of change of the geomagnetic field Sq-variations and terrestrial currents] [and Eng. transl.], 19.3-468
See also **Ivanov, K. G.,** 19.8-582

Mikhail, Joseph Sidky
Color opposition effect of the lunar surface, 19.7-658

Mikhailin, I. M., *see* **Driving, A. Ia.,** 19.2-328

Mikhailov, A. A.
Polosa polnogo solnechnogo zatmeniia 22 sentiabria 1968 goda [The path of totality of the solar eclipse of Sept. 22, 1968] [and Eng. transl.], 19.6-631

Mikhailov, A. N.
Agroklimaticheskie usloviia i agroklimaticheskoe raionirovanie Volgo-Viatskogo ekonomicheskogo raiona [Agroclimatic conditions and agroclimatic zoning of the Volga-Vyatka economic region], 19.4-379

Mikhailov, G. A., *see* **Marchuk, G. I.,** 19.2-323

Mikhailov, Iu. D.
Investigation of relationship between the field of atmospheric pressure and currents in the Gulf of Finland (*with* **Babanina, M. A.**) [Transl. from Russ.], 19.12-263

Mikhailov, V. N.
Osnovnye itogi issledovaniia gidrologii ust'ev rek SSSR za poslednee desiatiletie v Gidrometeosluzhbe [Main results of the hydrologic studies of river estuaries in the U.S.S.R. carried out by the Hydrometeorological Service during the past decade], 19.9-839

Mikhailova, E. N.
K nelineinoi teorii techenii u ekvatora [A contribution to the non-linear theory of currents at the equator] (*with* **Fel'zenbaum, A. I.** and **Shapiro, N. B.**) [and Eng. transl.], 19.3-651
K voprosu o raschete neustanovivshikhsia okeanicheskikh techenii i prilivov [Calculation of unsteady oceanic currents and tides] (*with* **Fel'zebaum, A. I.** and **Shapiro, N. B.**) [and Eng. transl.], 19.4-662
O raschete dreifa l'dov i techenii v Arkticheskom basseine [Calculation of ice-field drifts and currents in the Arctic basin] (*with* **Fel'zenbaum, A. I.** and **Shapiro, N. B.**) [and Eng. transl.], 19.4-701

Mikhailova, N. I.
O nekotorykh zakonomernostiakh v kolebaniiakh urozhaev sakharnoi svekly [Some regularities in the variations of sugar beet yields], 19.9-101
O vliianii razlichnykh faktorov na sakharistost' svekly [Effect of various factors on the sugar content of beets], 19.9-102

Mikhailova, N. P., *see* **Gnilko, M. K.,** 19.12-529

Mikhailovskaia, V. V., *see* **Imianitov, I. M.,** 19.9-186

Mikhel', Vasilii Mikhailovich, *see* **Zaverina, M. V.,** 19.12-343

Mikirov, A. E.

Srednii razmer chastits na vysotakh 70-450 km [Average size of particles at the 70-450 km height] [and Eng. transl.], 19.2-140

Mikulski, Zdzislaw

Bilans wodny zespolu jezior, na przykladzie Wielkich Jezior Mazurskich [Water balance of lake systems, using the Great Masurian Lakes as an example] (*with* **Bojanowicz, M.**), 19.6-753

Ksztaltowanie sie dzialu wodnego na Wielkich Jeziorach Mazurskich [Formation of a divide on the Great Masurian Lakes], 19.7-788

Uwagi o stanie hydrologii w krajach Europy srodkowej [Remarks on hydrological conditions in central European countries], 19.5-334

Milan. Seminario Arcivescovile. Os servatorio di Fisica Terrestre

Annuario, Vol. 23, 1966, 19.8-95

Milcu, St. M.

Particularitatile hormonogenezei corticosuprarenale in adaptarea organismului la variatiile temperaturii ambiante [Peculiarities of the adrenal cortex hormonogenesis in adaptation of the organism to the environmental temperature variations] (*with others*), 19.11-360

Milea, Elena

Studiul conditiilor aerosinoptice care au generat viscolul din intervalul 4-7 ianuarie 1966 [Study of the weather synoptic conditions which generated the blizzard of January 4-7, 1966] (*with* **Iliescu, C.** and **Belcin, V.**), 19.11-399

Miles, Howard

Lunar orbiter space probes, 19.8-623

Miles, M. K.

[Comments on] N. E. Davis: Summers of northwest Europe, 19.6-440

Milford, S. N.

Diffusion model for the propagation of gases in the lunar atmosphere: contamination by the lunar module exhaust (*with* **Pomilla, F. R.**), 19.1-484

Miliaev, N. A.

Latitudinal shifts in the reversal zone of diurnal variations in the Arctic magnetic field [Transl. from Russ.], 19.3-449

Magnetic disturbance in the region of drift of station North Pole 8 [Transl. from Russ.], 19.2-452

Milinskii, G. I.

Vliianie temperatury vody na rasprostranenie treski v iuzhnoi chasti Barentseva moria [Influence of water temperature on the distribution of cod in the southern Barents Sea], 19.7-76

Militaru, Florica

Consideratii asupra unor fenomene meteorologice deosebite [Considerations on uncommon meteorological phenomena], 19.7-438

Millard, John P.

Uncertainty analysis for satellite calorimetric measurements, 19.9-649

Miller, Alvin J.

Small-scale wind and temperature structure as evidenced by meteorological rocket systems (*with* **Woolf, H. M.** and **Finger, F. G.**), 19.10-310

See also **Newell, R. E.**, 19.11-422; **Quiroz, R. S.**, 19.1-270; 19.3-137

Miller, Banner I.

Characteristics of hurricanes, 19.2-176

Energy exchanges between the atmosphere and the oceans, 19.9-341

Miller, D. E.

Stratospheric attenuation in the near ultraviolet, 19.5-221

Miller, D. M.

Hypothesis concerning the evolution of the lunar surface, 19.6-598

Miller, David H.

Measurements of snowfall interception in Japan, 19.9-516

Some aspects of hydrologic and hydrometeorologic research abroad, 19.2-37

Miller, E. E.

Dynamics of soil water, Pt. 1 (*with* **Klute, A.**), 19.7-853

Miller, E. R.

Development and use of a bidirectional spectroreflectometer (*with* **Vun Kannon, R. S.**), 19.10-156

Miller, Forrest R.

Mean monthly sea-surface temperatures of the Indian Ocean during the International Indian Ocean Expedition (*with* **Jefferies, C.**), 19.4-606

Structure of an Arabian Sea summer monsoon system (*with* **Keshavamurthy, R. N.**), 19.12-5

Miller, G. S., *see* **Mather, K. B.**, 19.11-393

Miller, G. W., *see* **Lovelace, J.**, 19.7-230

Miller, Marvin E.

Average mixing depths and transport wind speeds over eastern United States in 1965, 19.12-174

See also **Weaver, C. R.**, 19.7-400

Miller, R. E.

Rocket studies of far-ultraviolet radiation in an aurora (*with* **Fastie, W. G.**), 19.10-576

Miller, Richard A.

Great post-limb event of March 2, 1966, 19.8-678

Miller, Robert C.

Notes on analysis and severe-storm forecasting procedures of the Military Weather Warning Center, 19.2-25

Semi-objective evaluation of the relative importance of parameters favoring production of severe local storms, 19.11-189

Stochastic model for real-time-on-demand weather predictions, 19.12-117

Miller, Robert Cunningham

The sea, 19.6-20

Miller, Robert W., *see* **Henry, R. M.**, 19.9-425

Miller, Stanley L., *see* **Bada, J. L.**, 19.10-728

Miller, W. D.

In situ solar absorptance measurement: an absolute method (*with* **Luedke, E. E.**), 19.6-296

Miller, Willis H.

Santa Ana winds and crime, 19.9-452

Millikan, R. C.
Emission of BO_2 from injection of triethylborane into the upper atmosphere, 19.4-64
Millman, George H.
Survey of tropospheric, ionospheric, and extraterrestrial effects on radio propagation between the Earth and space vehicles, 19.8-274
Mills, A. A.
Tektites: their nature and possible origin, 19.3-580
Mills, G. A.
Absolute coordinates of lunar features, Pt. 2, 19.8-653
Mills, W. C., *see* **Stewart, E. H.**, 19.9-481
Milosavljevic, Katarina, *see* **Milosavljevic, M.**, 19.5-241
Milosavljevic, Marko
Beitrag zur Kenntnis der Windstruktur in Serbien [Wind structure in Serbia] (*with* **Milosavljevic, K.**), 19.5-241
Milton, D. W.
Simultaneous satellite and balloon observations of the same auroral-zone precipitation event (*with* **Oliven, M. N.**), 19.5-439
See also **Parks, G. K.**, 19.5-434
Minaeva, G. N.
Vliianie poimy na rasprostranenie volny polovod'ia vdol' r. Irtysha [Influence of flood plain on propagation of waves of flood along the Irtysh], 19.8-793
Minami, Isao
Salinity problems of the Chao Phraya River, 19.7-802
Minchev, Rangel
Kratkosrochna prognoza na pritoka v iazovir G. Dimitrov [Short-term prognosis of the inflow in the Georgi Dimitrov Dam] (*with* **Mandadzhiev, D.** and **Vulev, M.**), 19.8-782
Minin, I. N.
Opticheskaia model' atmosfery Marsa [Optical model of the Martian atmosphere] [and Eng. transl.], 19.9-688
Minina, L. S.
Struktura oblachnosti po nabliudeniiam so sputnikov i polozhenie tsentra tsiklona [Structure of cloudiness according to satellite observations and the position of the cyclone center] (*with* **Starik, O. G.**), 19.8-299
Uragan Ines [Hurricane Inez], 19.4-234
See also **Zamorskii, A. D.**, 19.8-300
Minnis, C. M.
Geophysical measurements: techniques, observational schedules and treatment of data (*ed.*), 19.8-18
Instruction manuals for the IQSY, 19.8-38
Sounding rocket research techniques, 19.9-167
Mintz, Yale
General circulation and long range prediction, 19.7-280
Very long-term global integration of the primitive equations of atmospheric motion: an experiment in climate simulation, 19.11-311
See also **Sadourny, R.**, 19.10-163
Minzner, R. A.
Method for fitting linearly segmented multi-layer atmospheric models to an arbitrary set of upper and lower boundary conditions, 19.7-263
Mirabito, John A.
ESSA's marine services, 19.9-61
Mirkotan, S. F., *see* **Bykov, Iu. V.**, 19.2-343
Mironov, L. V., *see* **Voevodin, V. A.**, 19.11-754
Mironov, O. G.
Sgonno-nagonnye vetry i nekotorye pokazateli zagriazneniia morskikh vod [Offshore and onshore winds and some indices of pollution of sea water], 19.9-761
Mironova, M. N.
Spectrophotometry of some lunar objects [Transl. from Russ.], 19.11-640
Mironovitch, Valery
Stratospheric-tropospheric evolution and geomagnetic activity, 19.7-330
Miropol'skii, Iu. Z., *see* **Kitaigorodskii, S. A.**, 19.5-664
Miroshnichenko, L. I.
Diffuziia solnechnykh kosmicheskikh luchei ot istochnika eksponentsial'nogo tipa [Diffusion of solar cosmic rays from a source of an exponential type] [and Eng. transl.], 19.7-576
O vozmozhnosti kollektivnogo vtorzheniia solnechnykh kosmicheskikh luchei v magnitosferu Zemli [Possibility of collective intrusion of solar cosmic rays into the Earth's magnetosphere] [and Eng. transl.], 19.4-489
O zavisimosti koeffitsienta diffuzii solnechnykh kosmicheskikh luchei ot rasstoianiia do Solntsa [Dependence of the diffusion coefficient of solar cosmic rays upon distance to the Sun] [and Eng. transl.], 19.4-490
Miscoski, Vincent T.
U. S. Naval oceanography: a look back, 19.9-725
Mishakova, A. P.
Azimutal'nye uglovye raspredeleniia vtorichnykh chastits v kosmicheskikh livniakh [Azimuthal angular distribution of secondary particles in cosmic showers] (*with* **Nikol'skii, B. A.**), 19.3-429
Mishin, V. M.
O prostranstvenno-vremennom raspredelenii geomagnitnoi vozmushchennosti [Space-time distribution of a geomagnetic disturbance], 19.5-487
Raspredelenie magnitnoi aktivnosti v vysokikh shirotakh [Distribution of magnetic activity in high latitudes] (*with* **Troshichev, O. A.** and **Urbanovich, V. D.**), 19.5-488
Vybor spektra polinomov Lezhandra, approksimiruiushchikh nabliudaemoe Sq-pole [Selection of the spectrum of Legendre polynomials which approximate the observed Sq-field] (*with* **Bazarzhapov, A. D.**), 19.3-448
Mishon, V. M.
O metodike rascheta koeffitsienta variatsii vesennego poverkhnostnogo stoka v usloviiakh lesostepnoi i stepnoi zon Evropeiskoi chasti SSSR [Method of calculating the variation coefficient of spring surface runoff under conditions of forest-steppe and steppe zones in the European U.S.S.R], 19.7-832

Mishra, N.
Calculation of the number of muons at sea-level in a photon-electron cascade initiated by a primary photon of energy 10^{14} eV, 19.3-430
Misiura, V. A.
K metodike ionosfernykh izmerenii po nekogerentno rasseiannym radiosignalam [Method of ionospheric measurements by non-coherent scattered radiosignals] (*with others*) [and Eng. transl.], 19.1-377
Misme, P.
Different aspects de la turbulence, 19.11-314
Influence de la stratification atmospherique sur les aspects radioelectriques, 19.10-213
Misner, Charles W.
Isotropy of the universe, 19.7-639
Mitcham, G. L., *see* **Henderson, C. W.,** 19.6-30
Mitchell, H. P., *see* **Wells, C. R.,** 19.7-133
Mitchell, J. Kent
Fortran II program: watershed composite precipitation, 19.10-414
Mitchell, J. M., Jr.
Climatic change, 19.4-374
Mitchell, Lloyd V.
Radiosonde dew-point accuracies 40°C to -40°C, 19.2-69
Mitchell, R. L., *see* **Carter, C. J.,** 19.9-256
Mitchell, Val L.
Investigation of certain aspects of tree growth rates in relation to climate in the central Canadian boreal forest, 19.1-320
Mitiakov, N. A.
Ob izmereniiakh lokal'noi elektronnoi kontsentratsii putem nazemnogo priema signalov ISZ [Measurements of local electron density by ground based reception of satellite signals] [and Eng. transl.], 19.12-499
Mitra, A. P.
D-region processes in non-polar latitudes, 19.1-378
Mitskevich, A. I.
Efficiency of heat transfer surfaces [Transl. from Russ.], 19.11-299
Mitsuta, Yasushi
Direct measurement of vorticity near the ground, 19.3-160
New reduction method of anemometer-bivane data, 19.3-48
Some results of direct measurements of momentum flux in the atmospheric boundary layer by sonic anemometer, 19.10-241
Mitter, Josef
Evaluation of meteorological influences on electro-optical distance measurement [Transl. from German], 19.4-380
Miura, Teruo, *see* **Ogawa, T.,** 19.3-533
Miyairi, M.
Drag of bodies moving through snow with high speeds (*with* **Ohkushi, J.** and **Ozawa, S.**), 19.6-412
Miyake, Yasuo
Abundance ratio of $^{15}N/^{14}N$ in marine environments (*with* **Wada, E.**), 19.4-645
On the radio-carbon age of the ocean waters (*with* **Saruhashi, K.**), 19.1-542
Study on the dissolved oxygen in the ocean (*with* **Saruhashi, K.**), 19.1-547
See also **Matsuo, S.,** 19.5-719
Miyakoda, K.
Method of initialization for dynamical weather forecasting (*with* **Moyer, R. W.**), 19.12-111
Miyamoto, S.
Martian atmosphere and crust, 19.2-501
Progress of dark waves and the friction layer of the Martian atmosphere, 19.5-573
Miyata, Motoyasu
Note on sea level observations at two near-by stations (*with* **Groves, G. W.**), 19.12-684
Miyazaki, Masamori
Method of Fourier analysis of tides based on the hourly data of 355 days, 19.11-742
Tidal constants along the coast of Japan (*with* **Kuronuma, S. I.** and **Inoue, T.**), 19.11-743
Miyazaki, Shigeru
Results of electron density measurements by sounding rockets L-3-2 and 3, 19.2-373
See also **Hirao, K.,** 19.8-506
Miyazaki, Yukio
Electrons and gamma rays in the space under the inner radiation belts, 19.3-431
Mizun, Iu. G.
Diffuznye otrazheniia ot sloia F2 i magnitnaia aktivnost' [Diffusive reflections from the F2 layer and magnetic activity] [and Eng. transl.], 19.5-415
Ekvatorial'naia anomaliia f_oF2 [Equatorial anomaly f_oF2] [and Eng. transl.], 19.2-374
Mizuno, S., *see* **Maekawa, T.,** 19.10-335
Mizuno, Yukiko, *see* **Kuroiwa, D.,** 19.12-385
Mizutani, Y., *see* **Rafter, T. A.,** 19.5-322
Moak, C. D., *see* **Price, P. B.,** 19.8-562
Mobarek, Ismail E.
Diffraction of wind generated water waves (*with* **Wiegel, R. L.**), 19.10-758
Mock, Steven J.
Accumulation patterns on the Greenland Ice Sheet, 19.4-731
Calculated patterns of accumulation on the Greenland Ice Sheet, 19.4-732
Snow accumulation studies on the Thule Peninsula, Greenland, 19.7-433
Modval, Maria
Influenta aeroheliioterapiei asupra unor aspecte ale homeostaziei reumaticilor in conditiile climatice ale orasului Bucuresti [The effects of aeroheliotherapy upon certain aspects of homeostasis in rheumatics within the climatic conditions of Bucharest] (*with* **Voiculescu, C.** and **Gheorghiu, M.**), 19.11-94
Moe, Kenneth
Corpuscular heating effect observed by Explorer 6 near sunspot maximum, 19.4-267
Density scale heights at sunspot maximum and minimum from satellite data (*with others*), 19.9-253
Moehring, D. M.
Diameter growth of loblolly pine related to available soil moisture and rate of soil moisture loss (*with* **Ralston, C. W.**), 19.5-54

Moeller, Fritz
  [Comments on] P. Raethjen: Zur Energetik kraeftiger Frontigenesis [Energetics of intense frontogenesis], 19.12-218
  Eine Karte der Strahlungsbilanz des Systems Erde-Atmosphaere fuer einen 14 taegigen Zeitraum [Radiation balance chart of the Earth-atmosphere system for 14-day period], 19.1-203
  Infrared radiation, its measurement and application in the physics of the atmosphere, 19.9-30
  Der Waermehaushalt det Atmosphaere [Heat budget of the atmosphere], 19.6-243
Moeller, Hans G., *see* **Kopka, H.**, 19.5-412
Moerikofer, W., *see* **Flach, E.**, 19.7-463
Moerman, P.
  Spatial resolution of the neutron moisture meter (*with* **De Boodt, M.** and **Mortier, P.**), 19.7-157
Moerth, Hans T.
  Investigation into the meteorological aspects of the variations in the level of Lake Victoria, 19.10-779
  Note on the problem of pressure-wind relations in low latitudes, 19.9-419
Moffatt, H. K.
  Interaction of turbulence with strong wind shear, 19.6-322
Moffatt, Ronald E., *see* **Richmond, B. S.**, 19.11-690
Moffet, A. T.
  Detection of the pulsed radio source CP 1919 at 13 cm wavelength (*with* **Ekers, R. D.**), 19.11-626
Moghe, D. N.
  Objective method of forecasting precipitation amounts for southeast Madhya Pradesh for monsoon months (*with* **Jayaraman, S.**), 19.8-177
Mogilevskii, B. M., *see* **Chudnovskii, A. F.**, 19.7-91
Mohammed, P. M. Pakkir, *see* **Pakkir Mohammed, P. M.**
Mohler, Orren C., *see* **Ross, J.**, 19.8-631
Mohn, H.
  Temperatur in und um Christiania und Waermeabnahme mit der Hoehe daselbst [Temperature and its decrease with height in and around Christiania], 19.2-18
  Ueber die Ursache der groesseren Tiefe der Barometer-depressionen im Winter [Cause of the lower barometric depression in winter], 19.2-18
  See also **Guldberg, C. M.**, 19.2-18
Mohnen, V.
  Weather modification and air pollution (*with* **Vonnegut, B.**), 19.11-254
Mohr, Michael, *see* **Eden, H. F.**, 19.5-645
Moiseev, B. S.
  Rezul'taty vizual'nykh nabliudenii za poliarnymi siianiiami v Mirnom, na stantsiiakh Vostók i Lazarev [Some results of visual auroral observations in Mirny at the Vostok and Lazarev stations in 1960], 19.3-410
Moiseev, I. G.
  O vspleskakh radioizlucheniia solntsa na volne 8 mm [On solar radio emission bursts at 8 mm] (*with* **Efanov, V. A.**), 19.12-582
Moiseichik, V. A.
  Razvitie metodov agrometeorologicheskikh prognozov perezimovki ozimykh kul'tur [Development of agrometeorological methods of forecasting wintering of crops], 19.4-162
Moisia, R. I., *see* **Bairachenko, I. V.**, 19.2-487
Mokady, R. S.
  On the use of radioactive tracers in diffusion experiments (*with* **Zaslavsky, D.**), 19.6-329
Mokhnach, D. O.
  Raspredelenie poverkhnostnoi iarkosti v golove komety pri uchete dispersii nachal'nykh skorostei [Distribution of the surface brightness in the head of a comet when the dispersion of the initial velocities is allowed] [and Eng. transl.], 19.3-588
Mokliak, V. I.
  O metodike ucheta reguliruiushchego vliianiia sistemy vodokhranilishch v basseine na maksimal'nye raskhody [Method of calculating the regulating effect on maximum discharges of a system of reservoirs in a basin], 19.9-836
  Raschety maksimal'nykh raskhodov ot talykh vod na rekakh Ukrainy i Moldavii [Calculations of maximum snowmelt discharges in Ukrainian and Moldavian rivers] (*with* **Tsarenko, E. I.**), 19.9-525
Molchanov, O. A.
  O vysotnom raspredelenii elektronnoi kontsentratsii v magnitosfere po dannym svistiashchikh atmosferikov [Altitude distribution of electron concentration in the magnetosphere based on data of whistlers] [and Eng. transl.], 19.2-460
Moldau, Kh.
  Opticheskaia model' lista rasteniia [Optical model of the leaf of a plant], 19.6-297
Moldovanov, A. I.
  Sistema kolichestvennykh izmeritelei dlia otsenki formy, razmerov i kachestva iskusstvennykh vodoemov [System of quantitative measuring units for estimating the form, size and quality of artificial basins], 19.7-809
Molenkamp, Charles R.
  Accuracy of finite-difference methods applied to the advection equation, 19.7-267
Molina-Ramos, J., *see* **Bonnyman, J.**, 19.7-255
Molinari, J.
  Application de la methode d'integration sur charbon actif a la detection du chrome-51 EDTA et du radon dans les eaux (*with* **Guizerix, J.**), 19.9-855
Molinari, Robert L.
  Effect of topography on the Yucatan Current, 19.7-747
Molitvin, P. V.
  Issledovaniia sviazi mezhdu poverkhnostnymi i podzemnymi treshchinno-karstovymi vodami v basseine r. Ai [Investigations of connection between surface and underground interstitial-karst waters in the basin of Ai River], 19.7-817
  Study of the relationship between surface and

  - subsurface fissure-karst waters in the Ai River basin [Transl. from Russ.], 19.10-784
- **Mollnhauer, Klaus,** *see* **Stilke, G.,** 19.1-107
- **Mollo-Christensen, Erik**
  - Air-sea interaction studies in Buzzards Bay, Massachusetts, 19.4-681
- **Molnar, Frantisek,** *see* **Forgac, P.,** 19.10-304
- **Molo, William L.**
  - National Oceanographic Data Center (*with* **Churgin, J.**), 19.3-19
- **Molokanov, I. V.**
  - Skorost' padeniia gradin [Speed of fall of hailstone], 19.9-522
- **Molosnova, T. I.**
  - Ispol'zovanie nekotorykh chislennykh kriteriev dlia ob"ektivnogo analiza frontov po prizemnoi karte [Use of some numerical criteria for objective frontal analysis on a surface chart], 19.2-182
- **Momiyama, Masako**
  - Medico-climatological study in the seasonal variation of mortality in the United States of America, Pt. 1 (*with* **Katayama, K.**), 19.2-59
- **Monaghan, J. J.**
  - Accuracy of first order perturbation theory for uniformly rotating polytropes, 19.5-540
- **Monahan, Edward C.**
  - Report on a continuing drift-bottle study of the surface currents of Lake Superior, 19.10-385
  - Study of the onset of whitecapping with increased surface wind speeds, 19.10-385
- **Moni, N. S.,** *see* **Nambiar, K. K. N.,** 19.4-686
- **Monin, A. S.**
  - O ploshchadi poverkhnosti volnuiushchegosia moria [The surface area of a disturbed sea] [and Eng. transl.], 19.11-736
  - O turbulentnom obmene nad okeanami [Atmospheric turbulent exchange over oceans] [and Eng. transl.], 19.4-289
  - O vliianii temperaturnoi stratifikatsii sredy na turbulentnost' [Influence of temperature stratification upon turbulence], 19.9-319
  - Planetary boundary layer and large-scale atmospheric dynamics (*with* **Zilitinkevich, S. S.**), 19.11-273
  - Turbulence in the atmospheric boundary layer, 19.10-336
  - *See also* **International Symposium on Dynamics of Large-Scale Processes in the Atmosphere, 2nd, Moscow, June 1965,** 19.1-14
- **Monke, E. J.,** *see* **Huggins, L. F.,** 19.11-797
- **Monro, P. E.**
  - Analysis of ordinary mode standing waves observed by rockets in the E region (*with* **Mechtly, E. A.** and **Sastry, R. S.**), 19.12-500
- **Monsignori Fossi, B. C.,** *see* **Godoli, G.,** 19.7-696
- **Montalto, Martino**
  - Due esempi di circolazioni primaverili sull'Europa con ciclogenesi orografica sottovento alle Alpi (*with* **Baroni, A.**), 19.10-249
  - Studio preliminare del trasporto troposferico e stratosferico di materiale radioattivo, introdotto nell'atmosfera mediante esplosioni atomiche, in base alla costruzione di traiettorie previste dell'aria (*with* **D'Angiolino, G.**), 19.9-299
  - Sulla climatologia delle ciclogenesi sottovento alle Alpi (*with* **Pellegrini, F.** and **Rivosecchi, I.**), 19.1-189
- **Montbriand, L. E.**
  - Studies of auroral hydrogen emissions in west-central Canada, Pt. 2 (*with* **Jones, A. V.**), 19.5-437
- **Montfort, M. A. J. Van,** *see* **Van Montfort, M. A. J.**
- **Montgomery, Michael D.**
  - Observations of electrons in the Earth's magnetotail by Vela launch 2 satellites, 19.7-591
- **Montgomery, T. L.,** *see* **Corn, M.,** 19.10-194
- **Montgomery, W. Saxe**
  - New simplified high resolution wave recorder, 19.9-757
- **Mooers, Christopher N. K.**
  - Continental shelf waves off Oregon (*with* **Smith, R. L.**), 19.6-319
- **Mook, W. G.,** *see* **Lerman, J. C.,** 19.5-582
- **Mooley, D. A.,** *see* **Mukherjee, A. K.,** 19.7-849
- **Moore, A. M.**
  - Correlation and analysis of water-temperature data for Oregon streams, 19.1-237
- **Moore, Derek W.**
  - Prediction on the velocity field coming from convective overshoot in a layer overlying a convectively unstable atmospheric region, 19.8-679
- **Moore, Donald O.**
  - Estimating mean runoff in ungaged semiarid areas, 19.12-813
- **Moore, James G.**
  - Sky brightness measurements from a high flying aircraft during the total solar eclipse of July 20, 1963 (*with* **Lamb, D.**), 19.3-208
- **Moore, Patrick**
  - Accuracy of lunar shadow estimates, 19.7-659
  - Star-gazing with the Irish, 19.7-636
- **Moore, Paul L.**
  - Forecasting and warning systems, 19.9-239
- **Moore, R. A.,** *see* **Winter, E. J.,** 19.9-183
- **Moore, R. C.,** *see* **Schilling, G. F.,** 19.6-30
- **Moorman, Thomas, Jr.**
  - Forecasting problem, 19.8-192
- **Moos, H. W.**
  - Rocket photometry of the far UV twilight airglow (*with* **Fastie, W. G.**), 19.2-414
- **Morachevskii, Vitalii Georgievich,** *see* **Kachurin, L. G.,** 19.2-269
- **Morales, Benjamin**
  - Huascaran avalanche in the Santa Valley, Peru, 19.3-347
- **Moraru, M.,** *see* **Serban, Al.,** 19.11-91
- **Morasca, Nicola**
  - Barometro a scala amplificata [Barometer with an amplified scale], 19.4-106
  - Confronto tra le temperature estreme a Palermo presso la costa, a Punta Raisi, e quelle all'interno a 100 m s.l.m. a Boccadifalco, 19.10-301
- **Morawska, Maria**
  - Mgly w Krakowie (1861-1960) [Fogs in Cracow, 1861-1960], 19.10-406

Morawski, Janusz
Polautomatyczna sonda do pobierania prob mikrostruktury mgiel [Semi-automatic device for measuring parameters of fog microstructure], 19.7-154

Morcos, Selim A.
Sigma-T (σt) tables for sea water of high salinity (from 38% to 48%), 19.11-716

More, Rosemary J.
Hydrological models and geography, 19.5-767

Morel, P.
Occurrence of icing on constant level balloons (*with* **Fourrier, J.** and **Sitbon, P.**), 19.12-340

Morel-Seytoux, Hubert J., *see* **Julian, R. W.**, 19.3-352

Morelli, C.
Situation geophysique des eaux italiennes (1966,0), 19.12-688

Moretskii, V. N.
K voprosu o statisticheskom analize izmenchivosti temperatury i solenosti vody na standartnykh gidrologicheskikh razrezakh [Statistical analysis of the variability of water temperature and salinity of standard hydrological cross sections] (*with* **Stepanov, S.I.**), 19.10-731
See also **Shpaikher, A. O.**, 19.1-559

Morgan, A. D.
Observed correlation between the occurrence of sporadic-E and magnetic activity, 19.5-506

Morgan, A. H., *see* **Jespersen, J. L.**, 19.12-561

Morgan, F.
Weather and discharge data used to compute dose rates from coastal discharges of radioactivity, 19.1-543

Morgan, Griffith M., Jr.
Detection of zinc sulfide in melted snow samples, 19.2-303
Production of potential ice nuclei by gasoline engines (*with* **Allee, P. A.**), 19.7-381

Morgan, James J.
Applications and limitations of chemical thermodynamics in natural water systems, 19.9-811

Morgan, K. A.
Monster Buoy, its data acquisition and telemetry/command systems (*with* **Scott, L. A.** and **Devereux, R. F.**), 19.4-613

Morgan, R. C., *see* **St. John, O. B.**, 19.7-473

Morganstern, J. C.
Some experimental results in VLF pulse propagation (*with* **Watson, L. H.**), 19.10-214

Mori, Satoru
27-day variations of the cosmic ray diurnal variations, 19.3-432

Morik, Josef
Levego szennyezettsege a November 7. Hoeromu es a Varpalotai Aluminiumkoho kornyezeteben [Air pollution in the vicinity of the "November 7th" power plant and of the aluminium works at Varpalota] (*with* **Kelenffy, S.** and **Kertesz, M.**), 19.12-148
Varosi levego szennyezettsege [Air pollution in cities], 19.1-145
See also **Kelenffy, S.**, 19.1-140; 19.8-230

Morita, Yasutaro
Winds of katabatic origin observed at Syowa Station, Pt. 1, 19.12-286

Moriyasu, Shigeo, *see* **Asaoka, O.**, 19.6-668

Morlais, Maurice, *see* **Quemerais, A.**, 19.6-560

Morlin, Zoltan, *see* **Kertesz, M.**, 19.7-226

Morowitz, Harold
Life in the clouds of Venus? (*with* **Sagan, C.**), 19.1-486

Moroz, V. I.
Polosy CO_2 i nekotorye opticheskie svoistva atmosfery Venery [CO_2 bands and some optical properties of the Venutian atmosphere] [and Eng. transl.], 19.1-487

Morozov, G. A.
Raschet izmeneniia plotnosti snezhnogo pokrova pod deistviem diffuzii, konvektsii, vozgonki i sublimatsii vodianogo para v nem [Calculation of a change in snow cover density affected by diffusion, convection, and sublimation of the water vapor in it], 19.3-315

Morozov, S. A., *see* **Byzova, N. L.**, 19.9-429

Morozov, Savva Timofeevich
Shiroty i sud'by [Latitudes and destiny], 19.10-28

Morozov, V. M.
Mnogokanal'nyi strunnyi volnograf [Multichannel wire wave gage] (*with* **Dreier, A. A.**) [and Eng. transl.], 19.12-681

Morozumi, Henry M.
Auroral zone geophysical events and their relationship to the magnetosphere, 19.6-552

Morris, G., *see* **Jacobs, H.**, 19.8-626

Morris, James Eugene
Wind measurements in the subpolar mesosphere region, 19.5-265

Morris, Robert E., *see* **Andersen, N. R.**, 19.7-731

Morris, T. R.
Occurrence of ice particles in Minnesota cumuli (*with* **Braham, R. R., Jr.**), 19.11-437

Morris, William F., *see* **Conway, J. G.**, 19.2-512

Morrison, J. G.
Development of a miniature gust anemometer, 19.11-149

Morrison, P., *see* **Brecher, K.**, 19.7-640

Morrissette, John F., *see* **Thompson, A. H.**, 19.9-355

Morrissey, E. G.
Analysis of the data sampling requirements for the mast version of the Brewer Bubbler Ozonesonde, 19.6-157

Morrissey, James F.
[Comments on] D. Chleck: Aluminum oxide hygrometer: laboratory performance and flight results (*with* **Brousaides, F. J.**), 19.1-109
Importance of thermistor mount configuration to meteorological rocket temperature measurements (*with* **Carten, A. S., Jr.**), 19.1-83

Morrissey, W. B.
Precipitation measurement in New Zealand representative and experimental basins, 19.7-155

Morrow, Bertan W.
Determination of the optimum scope of a moored buoy (*with* **Chang, W. F.**), 19.7-723

Morskoi, G. I.
Chislennyi prognoz srednikh dekadnykh znachenii H500 Severnogo polushariia s ispol'zovaniem dannykh meteorologicheskikh sputnikov Zemli [Numerical forecasting of mean decadal values of H500 in the Northern Hemisphere using meteorological satellite data] (*with* **Sviridova, S. G.**), 19.4-154
Mortier, P., *see* **Moerman, P.,** 19.7-157
Mortimer, Clifford H.
Studies of inertial motion and associated waves in Lake Michigan, 19.8-764
Morton, B. R.
[Comments on] J. W. Telford: Convective mechanism in clear air, 19.5-271
Morton, Donald C., *see* **Adams, T. F.,** 19.12-658; **Hickok, F. R.,** 19.12-660; **Underhill, A. B.,** 19.5-607
Mosco, F., *see* **Fea, G.,** 19.9-219; **Gazzola, A.,** 19.9-312
Moseley, W. B.
Velocity probability density of upper atmospheric turbulence (*with* **Justus, C. G.**), 19.3-225
Moser, E. H.
Load-carrying capacity of depth-processed snow on deep snowfields (*with* **Sherwood, G. E.**), 19.12-408
Moses, Harry
Dewpoint temperature inversions (*with* **Ashby, W. C.** and **Bogner, M. A.**), 19.7-365
See also **U. S. Argonne National Lab., Argonne, Ill.,** 19.11-7
Mosetti, Ferruccio
Temperatura e salinita nel golfo di Trieste: risultati di un anno di determinazioni, 19.9-788
See also **Accerboni, E.,** 19.7-823; **Mameli, D.,** 19.10-735
Moshenichenko, I. E.
Iz istorii gidrometeorologicheskogo obsluzhivaniia morskogo flota i rybnoi promyshlennosti na Dal'nem Vostoke [History of the hydrometeorological service of the marine and fish industry in the Far East], 19.4-163
Mosino Aleman, Pedro A.
Mexican national report on meteorology and physics of the atmosphere, 1964-1966 [to the I.U.G.G., Switzerland, Sept. 1967], 19.9-67
Moskalenko, N. I., *see* **Golubitskii, B. M.,** 19.9-375; 19.10-395
Moskalev, Iu. D.
On the mechanism of the formation of wet snow avalanches, 19.5-331
Moss, A. A.
Meteorites: a concise account, 19.6-45
Moss, G. M.
Oscillations induced by a shallow cylindrical element on a tall tower, 19.12-295
Moss, S. J.
Minimum variance technique for the analysis of ionospheric data acquired in satellite retarding potential analyzer experiments (*with* **Hyman, E.**), 19.12-501
Mossop, S. C.
Composition and size distribution of aerosols produced by burning solutions of AgI and NaI in acetone (*with* **Tuck-Lee, C.**), 19.7-214
Glaciation of a cumulus at approximately -4C (*with* **Ruskin, R. E.** and **Heffernan, K. J.**), 19.12-338
Studies of ice crystals in natural clouds (*with* **Ono, A.** and **Heffernan, K. J.**), 19.2-277
Mostert, S. A.
Distribution of inorganic phosphate and dissolved oxygen in the south west Indian Ocean, 19.6-665
Moszkowicz, Stanislaw
Uwagi o wyznaczaniu zaleznosci miedzy radiolokacyjna zdolnoscia odbicia a natezeniem opadu [Comments on the methods of determination of the relation between radar reflectivity and rain intensity], 19.7-409
Mott, David L., *see* **Stephens, C. P.,** 19.4-452
Mottern, R. E.
Meteorological Buoy Programme of the U. S. Navy (*with* **Corwin, E. F.** and **Pyle, A. F.**), 19.4-94
Mottoni, Glauco de
Attivita solare e fenomeni atmosferici su Marte nel 1956, 19.1-488
Cartografia del pianeta Marte basata su documentazione fotografica internazionale a partire dal 1907, Pt. 1 [and] Pt. 2, 19.5-574
Motts, Ward S.
Control of ground-water occurrence by lithofacies in the Guadalupian Reef Complex near Carlsbad, New Mexico, 19.12-810
Mouradian, Z.
Diffusion des spicules dans la couronne solaire, 19.6-620
Movchan, B. N., *see* **Rodionov, S. F.,** 19.2-212
Mower, R. W.
Causes of fluctuations in the rate of discharge of Clear Lake Springs, Millard County, Utah, 19.1-596
See also **Hely, A. G.,** 19.12-72; **Iorns, W. V.,** 19.9-843; 19.12-29
Mowla, K. G.
Cyclogenesis [in] the Bay of Bengal and Arabian Sea, 19.12-206
Moyer, R. W., *see* **Miyakoda, K.,** 19.12-111
Moyer, W. Joseph
Ice on the upper Chesapeake Bay, January 1968, 19.8-747
Mozer, F. S.
Rapid variations of auroral particle fluxes, 19.7-551
Mozzherin, V. N.
Astronomical telescope on the Moon (*with others*), 19.6-30
Mozzhukhin, O. A.
Effect of meteorological factors during radar measurements [Transl. from Russ.], 19.10-215
Mrazek, J.
Ueber die struktur Einiger Ionosphaerenstuerme vom Zeitabschnitt 1960-1963 [Structure of some ionospheric storms during 1960-1963], 19.9-596

Mrose, H.
Staubausfall und Luftverunreinigung [Dust fall-out and atmospheric pollution] (*with* **Zier, M.**), 19.11-268
Muchnik, V. M., *see* **Zabolotskaia, T. N.,** 19.2-74
Muckel, Dean C., *see* **Schiff, L.,** 19.7-815
Mueller, C. A.
Polarization measurements in radio astronomy, 19.9-31
Mueller, Eberhard
Einige aeroklimatologische Bemerkungen [Some aeroclimatological observations], 19.9-162
Mueller, Edith A.
Center-to-limb analysis of the solar oxygen lines (*with* **Baschek, B.** and **Holweger, H.**), 19.7-702
Composition of the solar atmosphere, 19.12-628
Mueller, Eugene A.
Investigation of the quantitative determination of precipitation by radar (*with* **Sims, A. L.** and **Cataneo, R.**), 19.5-76
Raindrop distributions at Island Beach, New Jersey (*with* **Sims, A. L.**), 19.4-348
Raindrop distributions at Woody Island, Alaska (*with* **Sims, A. L.**), 19.7-426
Recording hailgage for use in hail modification projects (*with* **Changnon, S. A.**), 19.11-155
See also **Jones, D. M. A.,** 19.11-461; **Stout, G. E.,** 19.12-365
Mueller, G.
Origin of meteorites, in the light of recent rocket photography of the Moon and Mars, 19.6-605
Mueller, H. G.
Radiation measurements in the free atmosphere during the IGY and the IGC, 19.5-16
Simultaneous observations of meteor winds and ionospheric drifts, 19.12-502
Wind shears in the meteor zone, 19.6-347
Mueller, Hans Gerhard
Weather modification experiments in Bavaria, 19.7-215
Mueller, J. R.
Auroral measurements using rocket-borne photometers (*with* **Shepherd, G. G.**), 19.10-569
Mueller, W.
Ergebnisse zehnjaehriger Beobachtungen der potentiellen Verdunstung mit der US-Weather Bureau Class A-Wanne in Oesterreich [Results of 10 years of observation of potential evaporation in Austria with the U. S. Weather Bureau class A pan], 19.8-410
Zur Anwendung einer quantitativen Niederschlagsprognose im Alpengebiet [Use of a method of quantitative precipitation forecasting in the Alpine region], 19.5-149
Muench, Guido
Infrared lines of the solar corona, Pt. 1, 19.5-606
Muennich, K. O.
Dating of groundwater with tritium and ^{14}C (*with* **Roether, W.** and **Thilo, L.**), 19.9-845
Transfer of bomb ^{14}C and tritium from the atmosphere to the ocean: internal mixing of the ocean on the basis of tritium and ^{14}C profiles (*with* **Roether, W.**), 19.10-734
See also **Zimmermann, U.,** 19.10-801
Mugglestone, D., *see* **Finn, G. D.,** 19.4-598; 19.7-705
Mugica, Ramon
Consideraciones sobre el sistema de las corrientes del Peru, 19.10-746
Muhleman, D. O., *see* **Melbourne, W. G.,** 19.10-663
Mukade, T., *see* **Aota, A.,** 19.9-222
Mukammal, E. I.
Petawawa Forest Meteorology Project (*with* **MacHattie, L. B.** and **Turner, V. E.**), 19.1-325
Mukerji, T. K., *see* **Raman, P. K.,** 19.6-401
Mukhenberg, V. V.
Al'bedo poverkhnosti sushi zemnogo shara [Albedo of the land surface of the globe], 19.9-371
Prostranstvennaia struktura polia pogloshchennoi solnechnoi radiatsii [Three-dimensional structure of the field of absorbed solar radiation], 19.10-296
Raspredelenie pogloshchennoi radiatsii na materikakh i okeanakh [Distribution of absorbed radiation over land and oceans] (*with* **Strokina, L. A.**), 19.9-377
Mukherjee, A. K.
Role of Oct. storms and depressions over southwest Bay in causing heavy rains leading to floods in coastal Andhra Pradesh (*with* **Mooley, D. A.** and **Natarajan, G.**), 19.7-849
Mukhin, V. M., *see* **Popov, E. G.,** 19.3-116
Mukins, E. Ts., *see* **Dirikis, M. A.,** 19.6-461
Mukunda Rao, M.
Sporadic-E classification from rocket measurements (*with* **Smith, L. G.**), 19.8-520
See also **Abhirama Reddy, C.,** 19.4-403
Mullaly, R. F.
Solar event at two decimetre wavelengths (*with* **Watkinson, A.**), 19.11-619
Mulligan, J. C.
Model for heat transfer in frost and snow, 19.8-351
Mundorff, James C.
Fluvial sediment and chemical quality of water in the Little Blue River basin, Nebraska and Kansas (*with* **Waddell, Kidd M.**), 19.6-756
Mundorff, M. J.
Ground water in the vicinity of American Falls Reservoir, Idaho, 19.4-760
Munich. Universitaet. Meteorologisches Institut
Tabellen der Stundenmittel von Lufttemperatur, Feuchttemperatur und Windgeschwindigkeit in 2, 5, 10, 20 und 50 m Hoehe und der Stundenmittel von Windrichtung und Luftdruck, sowie der Stundenwerte der Gesamtbedeckung des Himmels, des Wetters, der Sonnenscheindauer und des Niederschlags [Tables of hourly means of air temperature, wet-bulb temperature and wind speed at 2, 5, 10, 20 and 50 m height and of hourly means of wind direction and pressure, and hourly values of cloud cover, weather, sunshine duration and precipitation], 19.1-73
Munk, Walter H.
Deep-sea tides: a program (*with* **Zetler, B. D.**), 19.7-758
See also **Houtermans, J.,** 19.10-224

Munn, R. E.
  Some strong-wind downwash diffusion measurements at Douglas Point, Ontario, Canada (*with* **Cole, A. F. W.**), 19.4-290
  Wind tunnel modelling of chimney strong-wind downwash, 19.4-291
  See also **Barry, P. J.**, 19.10-353
Munzar, Jan
  Alexander von Humboldt and his isotherms: on the occasion of the 150th anniversary of the first map of isotherms, 19.3-212
Murakami, Ritsuo
  On the time-lag of tensiometers, 19.9-871
Murakami, Takio
  Energy cycle of the stratospheric warming in early 1958, 19.3-220
  Vertical transfer of energy due to stationary disturbances induced by topography and diabatic heat sources and sinks, 19.2-170
Murasheva, M. S.
  Sravnitel'noe izuchenie povedeniia linii na diske Solntsa po zatmennym i vnezatmennym nabliudeniiam [Comparative investigation of line behavior on the solar disk based on eclipse and non-eclipse observations] (*with* **Kozhevnikov, N. I.** and **Sitnik, G. F.**) [and Eng. transl.], 19.12-657
Murata, Hiroo, *see* **Maeda, H.,** 19.7-521
Murata, Sadao, *see* **Yamagata, N.,** 19.7-787
Murav'eva, N. M., *see* **Kravtsova, L. M.,** 19.7-393
Muravlev, G. G.
  Nekotorye osobennosti ozer Kazakhstana i ikh zonal'no-regional'noe raionirovanie [Certain features of the lakes of Kazakhstan and their region], 19.6-745
Murayama, T.
  Electrons within the neutral sheet of the magnetospheric tail (*with* **Simpson, J. A.**), 19.7-616
Murcray, David G.
  Instrumentation for balloon-borne infrared spectral measurements (*with* **Murcray, F. H.** and **Williams, W. J.**), 19.5-100
  Nitric acid and nitric oxide in the lower stratosphere (*with others*), 19.12-154
Murcray, Frank H., *see* **Murcray, D. G.,** 19.5-100
Murgatroyd, R. J.
  Radiation sources and sinks in the stratosphere and mesosphere, 19.8-320
Murino, Clifford J.
  Resolution effects on mesoanalyses of satellite radiation measurements over an intensifying squall line, 19.10-125
Muromtsev, A. M.
  Teplosoderzhanie vod severnoi chasti Tikhogo okeana [Heat content of the waters of the northern part of the Pacific Ocean], 19.12-696
Murphy, Allan H.
  Note on probability forecasts and "hedging" (*with* **Epstein, E. S.**), 19.3-130
  Verification of probabilistic predictions: a brief review (*with* **Epstein, E. S.**), 19.2-120
  See also **Winkler, R. L.,** 19.12-136
Murphy, Brian L.
  Antipodal effect due to magnetohydrodynamic wave propagation after the Starfish detonation of July 9, 1962 (*with* **Kahalas, S. L.**), 19.8-571
Murphy, Charles H.
  Aerospace application of gun launched projectiles and rockets (*with* **Bull, G. V.**), 19.8-85
  HARP 5-inch and 16-inch guns at Yuma Proving Ground, Arizona (*with* **Bull, G. V.**), 19.1-65
  Ionospheric winds over Yuma, Arizona, measured by gun-launched projectiles (*with* **Bull, G. V.**), 19.9-597
  Nighttime variation of ionospheric winds over Barbados, West Indies (*with* **Bull, G. V.**), 19.1-269
Murphy, Earl Finbar
  Governing nature, 19.9-5
Murray, Bruce C., *see* **Wildey, R. L.,** 19.3-550
Murray, C. N.
  Solubility of oxygen in Winkler reagents used for the determination of dissolved oxygen (*with* **Riley, J. P.** and **Wilson, T. R. S.**), 19.12-706
Murray, F. W.
  Numerical simulation of cumulus convection, 19.7-389
Murray, R.
  Persistence in monthly mean temperature in central England, 19.9-397
  Some associations between monthly rainfall over England and Wales and central England temperatures, 19.11-446
Murray, Stephen Patrick
  Effects of particle size and wave state on grain dispersion, 19.4-685
Murray, W. A. S.
  Radar tracking at R.R.E. Malvern, 19.4-565
Murthy, Bh. V. Ramana, *see* **Ramana Murthy, Bh V.**
Murty, A. V. Saryanarayana
  Ocean currents, 19.4-663
Murty, Bh. V. Ramana, *see* **Ramana Murthy, Bh V.**
Murty, R. N. Keshava, *see* **Keshava Murty, R. N.**
Murty, T. S., *see* **Fultz, D.,** 19.12-196
Murzaev, E. M.
  Nature of Sinkiang and formation of the deserts of Central Asia [Transl. from Russ.], 19.6-13
Murzin, A. I.
  Opyt ispol'zovaniia estestvennykh ortogonal'nykh funktsii kak osnovy chislennogo predstavleniia polei splochennosti l'da prognoza ego pereraspredeleniia [An attempt a using natural orthogonal function as a basis for representing fields of ice compaction and forecasting the redistribution of the ice] (*with* **Smirnov, V. I.**), 19.6-703
Musaelian, Sh. A.
  O raschete polei vetra i davleniia na odnom urovne atmosfery po dannym ob oblachnosti poluchaemym s meteorologicheskikh sputnikov chislennyi eksperiment [Computation of wind and pressure fields at one level of the atmosphere on the basis of cloudiness data received from meteorological satellites: a numerica experiment] (*with others*), 19.6-135
  Ob odnom sposobe ispol'zovaniia dannykh ob oblachnosti, poluchaemykh s meteoro

logicheskikh sputnikov [Method of using cloudiness data obtained from meteorological satellites] (*with* **Fatkhullaeva, Z. N.**), 19.5-118
See also **Bugaev, V. A.**, 19.12-193; **Karpova, V. M.**, 19.5-67

Musen, Peter
Investigations in Hansen's planetary theory, 19.7-643

Mushkin, I. G.
Microclimatic station for measurements in herbage [Transl. from Russ.], 19.8-111

Mustafin, N. V.
Method of forecasting the sea level in the Dm. Laptev Strait [Transl. from Russ.], 19.11-199
Okeanologiia na sluzhbe moreplavaniia v Arktike [Oceanology at the service of navigation in the Arctic], 19.12-663
Voprosy issledovaniia kolebanii urovnia Arkticheskikh morei [Problems in investigation of level fluctuation of Arctic seas], 19.2-542

Mustel', E. R.
O nekotorykh zakonomernostiakh v probleme "Solnechnaia aktivnost' - Atmosfera Zemli" [Some regularities in the problem "solar activity - the Earth's atmosphere"] [and Eng. transl.], 19.10-480
Solar wind and interplanetary magnetic fields [Transl. from Russ.], 19.12-554
Solnechnyi veter i mezhplanetnye magnitnye polia [Solar wind and interplanetary magnetic fields], 19.1-449

Mustonen, Seppo E.
Lysimeter and watershed evapotranspiration (*with* **McGuinness, J. L.**), 19.3-272

Myers, J. N.
Use of vegetation in the control of shallow radiation fog, 19.1-49

Myers, M. K.
Linear theory of superbooms generated by refraction (*with* **Friedman, M. B.**), 19.4-399

Myers, Vance A.
Criteria and limitations for the transposition of large storms over various size watersheds, 19.6-791
Meteorological estimation of extreme precipitation for spillway design floods, 19.5-314

Myl'nikova, A. Ia.
O radiatsionnom balanse Volgogradskogo vodokhranilishcha [Radiation balance of Volgograd Reservoir], 19.1-204

Myshinskii, S. A.
Vodno-fizicheskie svoistva torfianoi zalezhi i elementy vodnogo balansa poimy r. Trubezh v 1963-64 gidrologicheskom godu [Hydrophysical properties of a peat bed and water balance elements of the Trubezh River flood plain during the 1963-64 hydrological year] (*with* **Shpak, I. S.** and **Zapol'skii, I. A.**), 19.1-600

N

NATO Advanced Study Institute, Freising, Germany, July-Aug. 1967
Earth's particles and fields: Final Report, 19.12-555
NATO Advanced Study Institute, Lagonissi, Athens, Sept. 1965
Solar physics: Proceedings of the . . . Institute, 19.10-17
NATO Advanced Study Institute, Newcastle-upon-Tyne, April 1964
Methods in paleomagnetism: Proceedings of the Institute, 19.6-29
NATO Advanced Study Institute, Newcastle-upon-Tyne, March-April 1966
Mantles of the Earth and terrestrial planets, 19.12-18
NATO Advanced Study Institute, Univ. of Keele, Staffordshire, Eng., Aug. 1966
Aurora and airglow: Proceedings of the . . . Institute, 19.1-17
NCAR Quarterly, [Boulder, Colo.]
Balloons against ice, 19.6-120
Horizontal sounding balloons, 19.6-122
Mountain waves and foothill winds, 19.1-272
Solar Expedition in Hawaii, 19.1-503
Tree rings and weather records, 19.5-341
Nace, Raymond L.
Perspectives in water plans and projects, 19.3-714
Nader, John S.
Pilot study of ultraviolet radiation in Los Angeles, Oct. 1965 (*ed.*), 19.11-343
Nadgir, S. B., *see* **Sachdev, R. N.**, 19.2-104
Nadile, R., *see* **Lovett, J.**, 19.2-205
Nag, S. K.
Direction of approach of microseism, 19.3-189
Surface wave dispersion and crustal structure in the Indian Ocean, 19.6-670
Nagamoto, C. T.
Ice nuclei concentrations in Hawaii during the period Jan. 7-March 10, 1967 (*with* **Rosinski, J.** and **Langer, G.**), 19.4-324
Nagaraja Rao, C. R., *see* **Chesebrough, G. F.**, 19.7-477
Nagasawa, S.
Tokyo Astronomical Observatory, 19.2-480
Nagashima, K.
Cosmic ray anisotropy in three-dimensional space (*with* **Duggal, S. P.** and **Pomerantz, M. A.**), 19.6-525
Nagata, Takesi
Dependence on geomagnetic activity of magnetic pulsation frequency of pc-3 and pc-4 ranges (*with* **Fukunishi, H.**), 19.12-535
Geomagnetic conjugacy between the Antarctic and the Arctic, 19.6-530
Observations of mesospheric ozone density in Japan (*with* **Tohmatsu, T.** and **Tsuruta, H.**), 19.8-264
Paleomagnetism (*with* **Ozima, M.**), 19.10-612
Rocket observations of visible and ultra-violet day-glow features (*with* **Tohmatsu, T.** and **Ogawa, T.**), 19.8-330

See also **Hirasawa, T.**, 19.3-480; **Keimatsu, M.**, 19.11-565; **Symposium on Pacific-Antarctic Sciences, Univ. of Tokyo, Aug. 1966**, 19.2-20
Nagata, Yutaka
Shallow temperature inversions at Ocean Station V, 19.5-670
Nagatani, Masahiro, *see* **Yamaguchi, T.**, 19.11-523
Nagatani, Ronald, *see* **Vederman, J.**, 19.3-280
Nagurnyi, A. P.
Chislennyi metod prognoza prizemnogo polia davleniia na osnove energeticheski ekvivalentnoi modeli atmosfery [Numerical method of forecasting the surface pressure field on the basis of an energetic model of the atmosphere], 19.10-162
Opyt prognoza prizemnogo polia davleniia na ETSVM "Ural-2" dlia poliarnogo raiona [Forecasting surface pressure fields on the "Ural-2" computer for a polar region], 19.10-174
Nagy, Bartholomew
Carbonacious meteorites, 19.9-693
Naito, Keikichi
On radar angels, 19.6-109
Nakada, M. P.
Thermal diffusion and multiply-charged atoms in the magnetosphere (*with* **Singer, S. F.**), 19.12-547
Nakadan, Yasuhiro, *see* **Takao, K.**, 19.12-537
Nakagawa, Shigeo
Observation of particle fluxes by L-3 rockets, 19.3-528
Nakagawa, Yoshinari, *see* **Altschuler, M. D.**, 19.10-697
Nakai, Taketoshi
On the time functions of atmospheric noise, 19.10-508
Nakajima, Chotaro
Analysis of a well developed cold vortex over the southwestern part of Japan, 19.3-188
Nakamura, Shigehisa
On currents with storm surges near river mouths, 19.6-694
Nakamura, Tsutomu
Water-like film produced by pressure on the surface of ice crystals, 19.11-767
Nakamura, Tsuyoshi
Rocket observations of emitting height of night airglow, 19.3-415
See also **Huruhata, M.**, 19.8-547; 19.11-549
Nakano, M., *see* **Kawanabe, Y.**, 19.9-338
Nakano, Tohru, *see* **Ichimaru, S.**, 19.6-559
Nakatao, Tetsuro
Climatic indices for heaviness of snowcover disaster, 19.12-409
Nakaya, Ukichiro
Physical properties and internal structure of Greenland snow (*with* **Kuroiwa, D.**), 19.12-410
Nakayama, Francis S., *see* **Kramer, P. J.**, 19.7-852
Nakayama, Paul I., *see* **Harlow, F. H.**, 19.6-328; 19.12-273
Nal'chik, U.S.S.R. Vysokogornyi Geofizicheskii Institut
El'brusskaia Ekspeditsiia za 30 let: bibliograficheskii spravochnik [Elbrus Expeditions during 30 years: bibliographical references] 19.12-11
Nam, R. A., *see* **Nurgozhin, N. N.**, 19.1-15
Namazov, S. A.
Vozmozhnost' primeneniia korreliatskonnog priema shirokopolosnykh signalov dli izucheniia parametrov ionosfernykh nec dnorodnostei i iskazheniia signalov [Possibilit of application of a correlation method of wide band signals to the study of ionospheric ir homogeneous parameters and signal distortio (*with* **Ryzhkina, T. E.**) [and Eng. transl.] 19.1-379
Nambiar, K. K. N.
Study of seasonal variations in the beaches c Kerala State (*with* **Moni, N. S.**), 19.4-686
Namias, Jerome
Further studies of drought over Northeaster United States, 19.10-423
Nania, A.
Criteri preliminari per una indagine sulla radar propagazione nell'Adriatico (*with* **Palumbo, F** and **Pucciano, A.**), 19.4-200
Sulla struttura anemologica delle tempeste su basso Adriatico, 19.1-188
Nanni, B., *see* **Hagfors, T.**, 19.10-667
Nanniti, Tosio
New Nan'niti-Ito current meter (*with* **Ito, K.**) 19.9-753
Secular variation of hydrographic conditions i the East Tsushima Strait (*with* **Fujiki, A.**) 19.5-681
Naraine, D., *see* **Theakston, F. H.**, 19.6-419
Narayana Rao, N.
Comparison of Faraday and Doppler methods c obtaining ionospheric electron content (*wit* **Yeh, K. C.**), 19.7-525
Lunar tidal variations in the equivalent slab thick ness of the ionsophere over Hawaii (*wit* **Stubenrauch, C. F.**), 19.4-434
Ray-tracing investigation of direction of arriva observations of HF radio waves, 19.12-503
Narayanan, J., *see* **Banerji, S.**, 19.6-768; **Dhar, C N.**, 19.6-406
Narayanan, S.
"Driving rain index" map of India, 19.4-339
See also **Srinivasan, T. R.**, 19.4-340
Narayanan, V.
Radar observation of a monsoon rain squall a Bombay, 19.7-114
Narcisi, R. S.
Process associated with metal-ion layers in th E-region of the ionsophere, 19.9-598
Nardone, Louis J.
Studies of airglow and aurora phenomena usin instrumentation techniques, 19.9-622
Narovlianskii, G. Ia.
Ob odnom iz vozmozhnykh sposobov raschet maksimal'nykh vertikal'nykh sdvigov vetr [One of the possible methods of calculatin maximum vertical wind shear] (*wit* **Kobysheva, N. V.** and **Kaulina, M. E.**), 19.9-45
Nash, T.
Colorometric determination of ozone b diacetyl-dihydro-lutidine, 19.5-167

Nasyrov, G. A.
Osobennosti prostranstvennykh neodnorodnostei emissii atomarnogo kisloroda λ5577 Å v svechenii nochnogo neba [Peculiarities of spatial inhomogeneities of the atomic oxygen emission λ5577 Å in the nightglow], 19.2-415
Prostranstvennye variatsii svecheniia nochnogo neba v oblasti λ5893 Å [Spatial variations of nightglow in the λ5893 Å region], 19.3-416
Natarajan, G., *see* **Mukherjee, A. K.,** 19.7-849
Nath, J. H., *see* **Hsi, G.,** 19.10-354
Nathan, Alan M.
Ground based Raindrop Spectrometer II, 19.12-378
Nathan, K. V. S. K.
Diffusion of solar cosmic rays and the power spectrum of the interplanetary magnetic field (*with* **Van Allen, J. A.**), 19.4-491
Nathanson, F. E.
Radar precipitation echoes: experiments on temporal, spatial, and frequency correlation (*with* **Reilly, J. P.**), 19.6-110
National Center for Atmospheric Research, Boulder, Colo.
NCAR Research and Facilities Programs, 1967, 19.11-69
National Conference of Standards Labs., Wash., D. C.
Directory of standards laboratories, 19.4-15
National Conference on Statistical Meteorology, 1st, Hartford, Conn., May 1968
Proceedings, 19.12-15
National Conference on Weather Modification, 1st, Albany, N. Y., April-May 1968
Proceedings, 19.11-29
National Dept. of the Royal Library, Copenhagen
Dania Polyglotta, Copenhagen, Vol. 22, 1966 [Annual bibliography of books, articles, and summaries, etc. in foreign languages printed in Denmark], 19.2-45
National Research Council of Canada. Associate Committee on Geodesy and Geophysics
Canadian Geophysical Bulletin, Ottawa, Vol. 19, Dec. 1966, 19.2-36; Vol. 20, Dec. 1967, 19.9-76
National Research Council of Canada. Associate Committee on Geotechnical Research
Manual on snow removal and ice control in urban areas, 19.9-517
National Research Council, Wash., D. C. U. S. National Committee
United States National Report, 1963-1967, to the 14th General Assembly of the International Union of Geodesy and Geophysics, 19.2-38
National Research Council, Wash., D. C. United States National Committee for the I.U.G.G.
United States Report on the 14th General Assembly, International Union of Geodesy and Geophysics, Switzerland, Sept. 7-Oct. 1967, 19.9-49
National Research Council, Wash., D. C. U. S. National Committee of the URSI
Progress in ionospheric radio. Report of Commission 3, 19.1-380; Report of Commission 4, 19.1-434
National Science Foundation. Office of Antarctic Programs, *see* **Antarctic Bibliography, Vol. 2, 1966,** 19.5-37
National Telemetering Conference, San Francisco, May 1967
Proceedings, 19.7-24
Nature, [London]
Designing for wind, 19.11-97
European science is far from dead, 19.11-67
Predicting tides and weather, 19.11-180
Snags in space, 19.5-119
Solar flares, 19.11-682
Weather satellites, 19.10-126
Wind-borne foot and mouth disease, 19.11-89
Naugle, John E.
NASA Space Science Program, 19.1-39
See also **Newell, H. E.,** 19.10-53
Naumann, A.
Aerodynamic aspects of wind effects on cylindrical buildings (*with* **Quadflieg, H.**), 19.12-296
Naumenko, Iu. I., *see* **Kiselev, V. I.,** 19.4-619
Naumov, A. P.
O metodike opredeleniia vlagosoderzhaniia atmosfery pri izmereniiakh pogloshcheniia radiovoln vblizi γ = 1, 35 cm [Procedure of determining the atmospheric water content from measurements of radio wave absorption near γ = 1.35 cm] [and Eng. transl.], 19.12-309
Navrotskaia, S. E., *see* **Filippov, D. M.,** 19.12-717
Navrotskii, V. V.
Volnenie i turbulentnost' v poverkhnostnom sloe moria [Waves and turbulence in the upper layer of the sea] [and Eng. transl.], 19.7-753
Nayar, P. S., *see* **Ratnam, V.,** 19.7-750
Nazarova, T. N.
Investigations of solid interplanetary matter in the vicinity of the Moon (*with* **Rybakov, A. K.** and **Komissarov, G. D.**), 19.8-664
Nazarova, Z. A.
Kharakteristika agroklimaticheskikh uslovii posadki kartofelia na Kamchatke [Characteristics of agroclimatic conditions of planting potatoes in Kamchatka], 19.8-62
Nazintsev, Iu. L.
O ravnovesnom sostoianii poliarnykh l'dov [Equilibrium condition of polar ice], 19.4-704
See also **Beliakov, L. N.,** 19.2-188
Neale, M. J.
Instrument to aid visual meteor observation, 19.5-579
Neave, C. F.
Tropical storm "Lily," April 19-May 3, 1966: an account of its history and behaviour, 19.9-345
Nebozheva, N. P.
Raschet podzemnogo pitaniia ozernykh rek Karelii i Kol'skogo poluostrova [Calculation of subsurface feeding of lake rivers of Karelia and Kola Peninsula], 19.2-608
Nechaeva, N. S., *see* **Kuchment, L. S.,** 19.9-864
Nederlandse Centrale Organisatie voor Toegepast-Natuurwetenschappelijk Onderzoek. Commissie voor Hydrologisch Onderzoek
Recent trends in hydrograph synthesis, 19.8-22

Nedeva, V. V., *see* **Korenevskaia, E. I.,** 19.5-346

Nedungadi, T. M. K.
Diagrammatic representation of monsoon rainfall and floods with particular reference to southwest monsoon of 1961, 19.7-343

Needler, G. T., *see* **Mann, C. R.,** 19.1-512

Neel, Carr B., *see* **Pearson, D. B., Jr.,** 19.10-128

Neher, H. V.
Comparison of the flux of cosmic-ray particles measured in space to that deduced from balloon flights using ionization chambers (*with* **Anderson, H. R.**), 19.4-492

Nehring, Dietwart, *see* **Brosin, H. J.,** 19.12-698

Neiburger, Morris
Collision efficiency of nearly equal cloud drops, 19.5-291
Physical factors in precipitation processes and their influence on the effectiveness of cloud seeding, 19.8-205

Neill, James C., *see* **Changnon, S. A., Jr.,** 19.3-38

Neiman, V. G.
Meridional water circulation in the Southern Ocean [Transl. from Russ.], 19.3-643

Nekovar, Frantisek
Dynamicko-klimatologicke hodnoceni teplotnich a srazkovych pomeru v Ceskych Budejovicich [Dynamic climatological evaluation of temperature and precipitation conditions in Budweis, Czechoslovakia], 19.7-471

Nekrasov, V. I.
Kharakteristika "dokatastrofnogo" lesa v raione padeniia Tungusskogo meteorita [Characteristics of the "pre-catastrophe" forest in the area of the Tunguska Meteorite fall] (*with* **Emel'ianov, Iu. M.**), 19.11-662

Nelepo, B. A.
Application of spectrographic methods in nuclear hydrophysics (*with* **Romanov, V. I.**) [Transl. from Russ.], 19.2-554
See also **Beliaev, V. I.,** 19.4-640

Nelson, A.
Dictionary of applied geology, mining and civil engineering (*with* **Nelson, K. D.**), 19.3-34

Nelson, Bryce
Science in Antarctica: Problems and opportunities "on the ice", 19.11-70

Nelson, David F.
Prototype data logging system for the ESSA III flat-plate radiometers, 19.9-650
Prototype flat-plate radiometers for the ESSA III satellite (*with* **Parent, R.**), 19.9-651

Nelson, Eric
Recent developments in high-altitude meteorological balloons, 19.6-124

Nelson, G. J.
Total ionospheric electron content at middle latitudes during sunspot minimum, 19.8-521

Nelson, G. L., *see* **Wiersma, F.,** 19.9-388

Nelson, H. L.
Climatic data for representative stations of the world, 19.10-462

Nelson, J. R., *see* **Williams, D. R.,** 19.6-127

Nelson, K. D., *see* **Nelson, A.,** 19.3-34

Nelson, Philip H.
Ionospheric perturbations and Schumann resonance data, 19.7-7

Nelson, R. A.
Response of the ionosphere to the passage of neutral atmospheric waves, 19.12-504

Nelson, Richard T.
Concentration of giant particles below cloud bases (*with* **Gokhale, N. R.**), 19.11-435

Nemec, J., *see* **Bruce, J. P.,** 19.7-34

Nemtsova, E. I.
UT-komponent v Sq-variatsiiakh po dannym MGG [UT component in Sq variations based on IGY data], 19.3-469

Neporent, B. S.
Determination of moisture in the atmosphere from absorption of solar radiation (*with others*), 19.5-70
See also **Kiseleva, M. S.,** 19.8-333

Nesenbergs, Martin
Signal amplitude distribution for stationary radio multipath conditions, 19.6-91

Neshpor, Iu. I.
Vremennoi Khod rentgenovskogo izlucheniia solnechnoi vspyshki 7 Avgusta 1960 g [Temporal variations of the X-ray radiation of the solar flare of August 7, 1960], 19.10-702
See also **Gopasiuk, S. I.,** 19.10-701; **Krivsky, L.,** 19.12-638

Nesina, L. V.
Raschet sostavliaiushchikh teplovogo balansa proektiruemykh vodoemov [Calculation of the heat balance components of planned reservoirs], 19.1-175

Ness, Norman F.
[Discussion of] R. W. Fredricks; E. W. Greenstadt and C. P. Sonett: Magnetodynamically induced ambiguity in the data from tilted, spinning fluxgate magnetometers: possible application to IMP 1, 19.11-563
Early results from the magnetic field experiment on lunar Explorer 35 (*with others*), 19.5-556
Interplanetary sector structure, 1962-1966 (*with* **Wilcox, J. M.**), 19.12-566
Observations of the interaction of the solar wind with the geomagnetic field during quiet conditions, 19.8-599
Perturbations of the interplanetary magnetic field by the lunar wake (*with others*), 19.10-635
Satellite measurements of magnetic fields in space, 19.1-91
Solar wind and the interplanetary magnetic field, 19.2-466
Zamechaniia otnositel'no interpretatsii magnitnykh dannykh sputnika "Luna-10" [Remarks on the interpretation of magnetic data from the "Luna-10" satellite] [and Eng. transl.], 19.1-92
See also **Hundhausen, A. J.,** 19.2-464; **Lazarus, A. J.,** 19.7-613; **McCracken, K. C.,** 19.12-519

Nester, Klaus
Statistical frequency data on maximum concentrations of stack emissions as based on synoptic weather observation, 19.6-211

Nesterov, S. V.
  O vzaimodeistvii poverkhnostnykh voln [Interaction of surface waves] [and Eng. transl.], 19.4-687
Nestorov, G.
  Effect of solar cosmic rays on low ionosphere (*with* **Velinov, P.**), 19.3-433
  Indicator about the modulation of galactic cosmic rays by the solar wind, 19.4-477
Netherlands. Meteorologisch Instituut
  Meteorologische en oceanografische Waarnemingen verricht aan Boord van Nederlandse Lichtschepen in de Noordzee, Vol. 16, 1964 [Meteorological and oceanographical observations carried out aboard Dutch lightships in the North Sea, Vol. 16, 1964], 19.7-118
  Synoptic and upper air observations in the Netherlands, Vol. 11, 1966, 19.9-154
  Synoptic and upper air observations on Netherlands weatherships and specially equipped selected ships, Vol. 11, 1966, 19.7-119
Neuberger, Hans
  Eine einfache Methode zur Messung der Tagessummen ultravioletter Globalstrahlung [Simple method for measuring daily sums of ultraviolet global radiation] (*with* **Berry, L.**), 19.7-142
Neugebauer, Marcia, *see* **Unti, T. W. J.,** 19.9-642
Neumann, J.
  Spectrum of isotropic turbulence, 19.10-337
Neupert, Werner M.
  Comparison of solar X-ray line emission with microwave emission during flares, 19.12-571
  Observation of the solar flare X-ray emission line spectrum of iron from 1.3 to 20 Å (*with others*), 19.1-502
  Solar corona above active regions: a comparison of extreme ultraviolet line emission with radio emission, 19.4-595
Neuwirth, Robert
  Der luftchemische Wirkungskomplex in der bioklimatischen Beurteilung der Kurorte [The composite atmospheric chemical effect in the bioclimatic evaluation of health resorts], 19.6-212
Nevel, Donald E.
  Time dependent deflection of a floating ice sheet, 19.2-583
Neven, L., *see* **De Jager, C.,** 19.7-700; 19.8-681
Nevzorov, A. N.
  Airborne instrument for measuring the sizes and concentration of large particles in clouds and precipitation [Transl. from Russ.], 19.8-130
  Raspredelenie krupnykh kapel' v kapel'nozhidkikh sloistoobraznykh oblakakh [Distribution of large drops in stratiform water clouds], 19.12-348
Newberry, C. W.
  Wind loading of a tall building in an urban environment: a comparison of full scale and wind tunnel tests (*with* **Eaton, K. J.** and **Mayne, J. R.**), 19.11-410
Newburg, E. A., *see* **Arnason, G.,** 19.8-428; 19.9-313
Newcombe, Roy, Jr.
  Water for the growing needs of Harrison County, Mississippi (*with* **Shattles, D. E.** and **Humphreys, C. P., Jr.**), 19.11-14
Newell, A. C., *see* **Benney, D. J.,** 19.11-724
Newell, Homer E.
  NASA's Space Science and Applications Program, 19.1-4
  Recommended national program in weather modification, 19.9-62
  Space plans and possibilities (*with* **Naugle, J. E.**), 19.10-53
Newell, Reginald E.
  Indirect experimental evidence for the existence of Hall and Pedersen currents in the auroral E region (*with* **Abel, W. G.**), 19.11-542
  On the application of a proposed global system for measuring meteor winds (*with* **Dickinson, R. E.**), 19.9-133
  Semi-annual variation in thermospheric density, 19.5-163
  Stratosphere and mesosphere, 19.4-193
  Vertical velocity variability in the lower stratosphere (*with* **Miller, A. J.**), 19.11-422
  See also **Dickinson, R. E.,** 19.12-474
Newhouse, Bernard J.
  Pittsburgh visibility study, 19.11-204
Newkirk, Gordon, Jr.
  Meteoric dust in the stratosphere determined by optical scattering techniques, 19.1-146
  Structure of the solar corona, 19.6-621
Newkirk, L. L.
  Radial diffusion coefficient for electrons at low L values (*with* **Walt, M.**), 19.7-480
Newman, J. E.
  Orange fruit maturity and net heat accumulations (*with others*), 19.7-61
Newman, M. M.
  Triggered lightning strokes at very close range (*with others*), 19.2-333
Newman, W. S., *see* **King, J. W.,** 19.7-518; 19.8-20; **Legg, A. J.,** 19.2-63
New Mexico. Univ., Albuquerque. Bureau of Engineering Research, *see* **Petersen, D. P.,** 19.8-7
New Scientist, [London]
  Charting the weather atop a tall television tower, 19.5-122
  Harder look at the Mars pictures, 19.5-575
Newstein, Herman, *see* **Davis, F. K., Jr.,** 19.9-424
Newton, Chester W.
  Severe convective storms, 19.1-192
Newton, R. R.
  Satellite determination of tidal parameters and Earth deceleration, 19.7-138
  U. S. Navy doppler geodetic system and its observational accuracy, 19.5-536
N. Y. Univ. Dept. of Met. and Oceanog., *see* **Spar, J.,** 19.4-153
Ney, E. P., *see* **Rosen, J. M.,** 19.1-154
Neyman, Jerzy
  Note on techniques of evaluation of single rain stimulation experiments (*with* **Scott, E. L.**), 19.8-206
  Note on the Weather Bureau ACN Project (*with* **Scott, E. L.**), 19.8-207

Planning an experiment with cloud seeding (*with* **Scott, E. L.**), 19.8-208
Some outstanding problems relating to rain modification (*with* **Scott, E. L.**), 19.8-209
See also **Berkeley Symposium on Mathematical Statistics and Probability, 5th, Berkeley, Calif.**, 19.7-12

Nezu, Seiichi
Experiment on the snow crown of Japanese larch (*with* **Watanabe, S.**), 19.5-321

Nguyen, Ba Cuong
Comparaison des distributions verticales du radon 222 de o a 4500 m au-dessus de l'ocean Atlantique, du continent Antarctique et de la region parisienne (*with others*), 19.5-181

Nguyen, Minh Tri
Etude des constantes de temps de la formation d'une couche E-sporadique sous l'effet des cisaillements de vent, 19.4-435

Niblock, Robert W.
U. S. Navy studying Swedish hydrographic ship techniques, 19.6-647

Nicholas, G. W., *see* **Belmont, A. D.**, 19.7-327; 19.9-272; **Shen, W. C.**, 19.8-364

Nicholson, F. T.
Effect of solar perturbation on motion near the collinear Earth-Moon libration points, 19.7-472

Nickerson, Everett C.
Boundary layer adjustment as an initial value problem, 19.7-269

Nickola, P. W.
System for recording air concentrations of zinc sulfide fluorescent pigment on a real-time scale (*with others*), 19.3-95

Nicks, Oran W.
Review of the Mariner IV results, 19.5-576

Nicolet, Marcel
Constituants minoritaires dans la stratosphere et dans la mesosphere, 19.8-257
On the thermal-diffusion effect in the thermosphere, 19.12-155

Nief, G., *see* **Merlivat, L.**, 19.6-393

Nielsen, D. R.
Radioisotopes and labelled salts in soil-water movement (*with* **Biggar, J. W.**), 19.8-797
See also **Biggar, J. W.**, 19.6-798

Nielsen, Kenneth F., *see* **Bisal, F.**, 19.6-310

Nielson, Donald D., *see* **Lomax, J. B.**, 19.12-496

Nielson, Donald L.
Ray-path equations for an ionized layer with a horizontal gradient, 19.5-416

Nierenberg, W. A.
Oceanography tomorrow, 19.1-19

Nihoul, Jacques C. J.
Magnetodynamic turbulence at low magnetic Reynolds number, 19.6-496

Niiler, P. P.
Theory of free inertial jets, Pt. 2 (*with* **Robinson, A. R.**), 19.6-681
See also **Robinson, A. R.**, 19.5-675

Niilisk, Khel'gi
Nekotorye voprosy utochneniia teoreticheskikh raschetov teplovoi radiatsii atmosfery [Accuracy of calculation of infrared radiation in the atmosphere], 19.6-300
O spektral'nom raspredelenii intensivnosti i potokov teplogo izlucheniia v svobodnoi atmosfere [Spectral distribution of the intensity and flux of infrared radiation in the free atmosphere] (*with* **Noorma, R.**), 19.6-301
On the question of calculations of thermal radiation of the atmosphere [Transl. from Russ.], 19.7-105

Niilisk, Kherbert, *see* **Tooming, Kh.**, 19.8-322

Nikiforov, E. G.
Oznovy metodiki rascheta pereraspredeleniia l'da v arkticheskikh moriakh v navigatsionnyi period pod vozdeistviem vetra [Fundamentals of a method of computing redistribution of ice in Arctic seas under wind action during the navigable period] (*with others*), 19.1-265
See also **Gudkovich, Z. M.**, 19.11-745, 748; **Kudriavtsev, N. F.**, 19.1-534

Nikleva, Stephen
Analysis of the Penner-Harley OPF technique along the B.C. coast, 19.7-179
Case study of a California cold low moving into southern B.C., 19.7-286

Nikolaev, Iu. V.
Issledovanie raspredeleniia l'din po razmeram metodom Monte-Karlo [Investigation of the size distribution of ice floes using the Monte Carlo method] (*with* **Podol'skaia, G. I.**), 19.6-704
K voprosu ob opredelenii tipov tsirkuliatsii atmosfery s pomoshch'iu ETSVM [Determining atmospheric circulation types by means of electronic computers] (*with* **Chernukhin, M. Sh.**), 19.10-168
See also **Buzuev, A. Ia.**, 19.10-173; **Dubina, R. B.**, 19.3-609

Nikol'skaia, K. I.
K voprosu o svechenii geliia v khromosfere [Emission of helium in the chromosphere] [and Eng. transl.], 19.6-630

Nikol'skii, A. P.
Razreshennye intervaly sutok povyshennoi veroiatnosti vozniknoveniia aktivnykh periodov magnitnykh bur' [Allowed intervals of 24 hours of high probability of the beginning of active periods of magnetic storms] [and Eng. transl.], 19.7-609
Tonkaia struktura sutochnogo raspredeleniia chastoty poiavleniia nereguliarnykh magnitnykh vozmushchenii [Fine structure of the diurnal distribution of the frequency of appearance of irregular magnetic disturbances], 19.3-472

Nikol'skii, B. A., *see* **Mishakova, A. P.**, 19.3-429

Nikol'skii, G. A., *see* **Kondrat'ev, K. Ia.**, 19.12-241

Nikol'skii, G. M.
Sredniaia temperatura solnechnoi korony [Average temperature of the solar corona] [and Eng. transl.], 19.6-614
See also **Gnevyshev, M. N.**, 19.1-459; 19.5-542

Nikol'skii, S. I.
Extensive air showers of cosmic radiation [Transl. from Russ.], 19.1-15
See also **Amineva, T. P.**, 19.2-420

Nikonov, V. N., *see* **Kisliakov, A. G.**, 19.11-347

Nil'son, T., *see* **Ross, Iu.,** 19.8-321
Nilsson, C. S.
Flux of meteors and micrometeoroids in the neighborhood of the Earth (*with* **Southworth, R. B.**), 19.10-691
Measured velocities of interplanetary dust particles from OGO-1 (*with* **Alexander, W. M.**), 19.1-147
See also **Whipple, F. L.,** 19.1-493
Nilsson, P. O.
Determination of optical constants from intensity measurements at normal incidence, 19.8-331
Niinit, Vichai T., *see* **Rufenach, C. L.,** 19.7-531
Ninomiya, Kozo
Observational study on the heavy snowfall over Sekigahara (*with* **Matsumoto, S.**), 19.12-380
Some aspects of the cloud formation and the airmass modification over the Japan Sea in winter revealed by TIROS observation, Pt. 2, 19.2-280
See also **Matsumoto, S.,** 19.3-185, 252
Nisbet, J. S., *see* **Doupnik, J. R.,** 19.12-475
Nishida, Atsuhiro
Annual variation in the magnetospheric configuration, and its influence on the polar magnetic field (*with* **Kokubun, S.** and **Iwasaki, N.**), 19.3-512
Average structure and storm-time change of the polar topside ionosphere at sunspot minimum, 19.4-436; 19.8-522
Geomagnetic Dp^2 fluctuations and associated magnetospheric phenomena, 19.7-617
Geomagnetic effects of the interplanetary sector structure, 19.3-513
Interpretation of SSC rise time, 19.3-490
See also **Iwasaki, N.,** 19.4-424; **Obayashi, T.,** 19.8-588
Nishimura, Jun
Theory of cascade showers, 19.10-594
Nishina, R., *see* **Kimura, I.,** 19.8-514; 19.11-282
Nishiwaki, Niichi, *see* **Echigo, R.,** 19.5-277
Nishizawa, Toshie
Heat balance of river water, with special regards to the effects of tributaries and spring water, 19.6-757
On river water temperature, 19.6-758
Niskin, Shale
'Free' and expendable instruments, 19.11-701
Nitzsche, P.
Durch Kernexplosionen verursachte verzoegerte ionosphaerische D-Region-Effekte in Kurzwellen-Feldstaerkeregistrierungen [Delayed ionospheric D-region effects in shortwave field strength records due to nuclear explosions], 19.2-375
Einige Angaben ueber die Drift von naechtlichen sporadischen Wolken im E-Gebeit der Ionosphaere, erhalten aus Kurzwellen-Feldstaerkeregistrierungen [Some data on the drift of nighttime sporadic clouds in the ionospheric E-region obtained from shortwave field strength records], 19.1-381
See also **Lauter, E. A.,** 19.10-541
Nitzschke, Peter
Berliner Phaenomen in der Antarktis [Berlin phenomenon in Antarctica], 19.5-236
Die Temperaturverhaeltnisse in der freien Atmosphaere ueber dem Suedpolargebiet im Jahre 1963 [Temperature condition in the free atmosphere over the South Polar area in 1963], 19.11-368
See also **Buttenberg, M.,** 19.5-191
Nixon, Paul R.
Advective influences on the reduction of evapotranspiration in a coastal environment (*with* **Lawless, G. P.**), 19.8-411
See also **Fritschen, L. J.,** 19.7-456
Noble, Vincent E.
Temperature structure of Lake Michigan, 19.12-787
Winter temperature structure of the Great Lakes (*with* **Ewing, K. J.**), 19.4-274
See also **Heap, J. A.,** 19.4-743
Nobles, Laurence H.
Slush avalanches in northern Greenland and the classification of rapid mass movements, 19.3-336
Nolan, George F.
Study of mesoscale features of summertime minimum wind fields in the lower stratosphere, 19.10-388
Noll, Kenneth E., *see* **Pueschel, R. F.,** 19.3-141
Noon, J. H., *see* **Holt, E. H.,** 19.2-458
Noorma, R., *see* **Niilisk, Kh.,** 19.6-301
Nordberg, William
Inference of properties of the Earth from satellite measurements of infrared emission, 19.10-127
Observational results on wind and temperature structure in the stratosphere and mesosphere (*with others*), 19.8-356
Satellite studies of the lower atmosphere, 19.9-652
See also **Kennedy, J. S.,** 19.2-164
Nordoe, Jack
Statistical studies of precipitation on local, national and continental scales (*with* **Hjortnaes, K.**), 19.11-447
Norgaard, Richard B.
Streamflow fluctuation, bar roughness, and bed load movement: a hypothesis, 19.11-805
Norina, A. M.
Hydrological characteristics of the northern Barents Sea [Transl. from Russ.], 19.12-701
Noro, T.
Climatological study of snow in Niigata Prefecture, Pt. 1, 19.7-428
North Atlantic Treaty Organization, *see also* **NATO Advanced Study Institute**
——. Advisory Group for Aerospace Research and Development, *see* **Lied, F.,** 19.7-6
——. ——. Ionospheric Research Committee
Propagation factors in space communications: Proceedings of the 10th Annual Symposium, Rome, Sept. 21-25, 1965, 19.7-14
——. Div. of Scientific Affairs
NATO and science: facts about the activities of

the Science Committee of the Organization, 1959-1966, 19.8-36
Northeastern Univ., Boston, *see* **Cochrun, B. L.,** 19.7-546; **Nardone, L. J.,** 19.9-622
Northeastern Univ., Boston. Dept. of Electrical Engineering, *see* **Lob, W. H.,** 19.7-353
Northrop, T. G., *see* **Birmingham, T. J.,** 19.4-528; **Tidman, D. A.,** 19.7-627
Norton, John S.
  Telephone frost-warning device, 19.4-157
Norton, R. B., *see* **Thomas, L.,** 19.4-175
Norum, D. I.
  Effects of entrapped air and barometric fluctuations on the drainage of porous mediums (*with* **Luthin, J. N.**), 19.7-855
Norway. Forsvarets Forskningsinstitutt, *see* **Landmark, B.,** 19.11-541
Norway. Meteorologiske Institutt
  Norwegian classical meteorological papers prior to the Bergen School, 19.2-18
Nosek, Milos
  Varianzanalyse und Signifikanzteste in der dynamischen Klimatologie [Variance analysis and significance tests in dynamic climatology], 19.6-454
Novikov, Iu. V., *see* **Korenkov, I. P.,** 19.11-289
Novikoz, B. I., *see* **Lopatnikov, V. I.,** 19.4-620
Novitskii, V. P.
  Permanent currents of the Northern Barents Sea [Transl. from Russ.], 19.8-729
Novozhilov, N. I.
  Fizika obrazovaniia serebristykh oblakov v svete novykh dannykh [Physics of the formation of noctilucent clouds in the light of new data], 19.5-369
Novozhilova, M. P.
  Raschet temperatury i vlazhnosti vozdukha nad akvatornei Novosibirskogo vodokhranilishcha [Calculation of air temperature and humidity over the water areas of the Novosibirsk Reservoir], 19.1-224
Novozhilova, N. I.
  Sezonnye osobennosti atmosfernoi tsirkuliatsii nad Afrikoi [Seasonal characteristics of the atmospheric circulation over Africa] (*with* **Petrovskii, Iu. S.**), 19.11-317
Novskaia, A. I.
  Osobennosti voln kholoda i tepla v Primorskom krae [Peculiarities of cold and heat waves in the Maritime Province], 19.8-348
  Prognoz srednei mesiachnoi temperatury vozdukha s uchetom tsirkuliatsii atmosfery nad severnym polushariem [Forecast of mean monthly air temperature taking into account atmospheric circulation above the Northern Hemisphere], 19.8-172
Nowak, Robert
  Integrated meteor radar system for wind and density measurements in the upper atmosphere, 19.12-7
Nowlin, W. D., Jr.
  Characterization of the Gulf of Mexico waters in winter (*with* **McLellan, H. J.**), 19.1-560
Nowroozi, Ali A.
  Deep ocean current and its correlation with the ocean tide off the coast of northern California (*with others*), 19.8-717
  Oceanic tides recorded on the sea floor (*with* **Sutton, G.** and **Auld, B.**), 19.6-695
Noxon, J. F.
  Day airglow, 19.8-332
  Dayglow observations, 19.2-211
  Interpretation of the dayglow, 19.2-206
Noyes, Robert W.
  Observation studies of the solar intensity profile in the far infrared and millimeter regions (*with* **Beckers, J. M.** and **Low, F. J.**), 19.7-684
  Observational studies of velocity fields in the solar photosphere and chromosphere, 19.8-674
Nozharov, P., *see* **Vollstaedt, H.,** 19.7-588
Nozumi, Yoshinori
  Prefrontal rain bands located in the warm sector of subtropical cyclones over the ocean (*with* **Arakawa, H.**), 19.6-264
Nucciotti, F., *see* **Vittori Antisari, O.,** 19.1-152
Nudel'man, A. V.
  Soviet Antarctic Expeditions, 1961-1963 [Transl. from Russ.], 19.11-9
Nudel'man, L. A., *see* **Makhover, Z. M.,** 19.6-226
Nunn, K. R.
  Regelation experiments with wires (*with* **Rowell, D. M.**), 19.6-711
Nurgozhin, N. N.
  Air-filled spark changer (*with* **Nam, R. A.**) [Transl. from Russ.], 19.1-15
Nussbaumer, Harry
  Importance of temperature variations in the formation of line profiles, 19.12-640
  Die innere Struktur der Sonnenkorona [Inner structure of the solar corona], 19.9-709
Nutter, Wade L.
  Two weirs for accurate stream-gaging of small watersheds (*with* **Sopper, W. E.**), 19.12-791
Nyberg, Alf, *see* **Berggren, R.,** 19.5-244
Nydal, Reidar
  Further investigation on the transfer of radiocarbon in nature, 19.10-192
Nye, J. F.
  Plasticity solution for a glacier snout, 19.4-734
  Theory of regelation, 19.6-712

O

Obayashi, Tatsuzo
  Enhanced solar particle emissions responsible for terrestrial disturbances, 19.3-529
  Flapping motions of the magnetospheric tail, 19.11-587
  Interaction of the solar wind with the geomagnetic field during disturbed conditions, 19.8-600
  Large-scale electric field in the magnetosphere (*with* **Nishida, A.**), 19.8-588
  See also **Oya, H.,** 19.3-396; 19.4-438; 19.10-545
O'Brien, Brian J.
  Interrelations of energetic charged particles in the magnetosphere, 19.8-589
  Particle measurements on an ESRO satellite (Neutral-1) in a highly eccentric polar orbit, 19.3-514

Satellite observations of particle fluxes and atmospheric emissions, 19.1-93
See also **Maehlum, B. N.,** 19.7-549; **Reasoner, D. L.,** 19.12-516
O'Brien, Edward E., *see* **Mandell, D. A.,** 19.10-363
O'Brien, James J.
Choosing a test of normality for small samples (*with* **Griffiths, J. F.**), 19.3-49
[Comments on] D. W. Stuart and T. H. R. O'Neill: Over-relaxation factor in the numerical solution of the Omega equation, 19.7-172
See also **Gruber, A.,** 19.8-374
O'Bryant, Richard
Optimum telemetry for a meteorological platform (*with* **Hoover, W. M.** and **Sharpe, J. H.**), 19.10-96
Observatories' Yearbook, 1964, 19.10-25
Ocean Industry, [Houston, Tex.]
Satellites give fixes within 30 feet in any weather, 19.6-65
Oceanographic Digest, 1968, 19.10-716
Oceanology International, [Beverly Shores, Indiana]
Measuring ocean currents, 19.11-706
Ochabova, Petronela
Influence of sunspots on different types of diurnal geomagnetic variations, 19.9-631
Variability of the Sq-variation of the geomagnetic field in Hurbanovo in relation to the relative sunspot numbers, 19.10-617
Ochakovskii, Iu. E., *see* **Karabasheva, E. I.,** 19.12-695
Ochs, G. R.
Resistance thermometer for measurement of rapid air temperature fluctuations, 19.6-145
O'Connor, James F.
Crystal ball on the clouds, 19.12-102
Odar, Fuat
New solution of the boundary layer equation and its application, 19.8-378
O'Dell, F. W.
He^3 vs He^4 in the primary cosmic radiation at Fort Churchill, 1963 (*with others*), 19.10-595
Odencrantz, F. Kirk
Glycol contamination in nucleating counters, 19.11-433
Modification of habit and charge of ice crystals by vapor contamination, 19.9-518
Temperature-dependence of the polarity of electrical charges on ice crystals (*with* **Buecher, R. W.**), 19.1-347
Odintsov, V. A., *see* **Kolmakov, I. B.,** 19.1-141
Odintsova, I. N., *see* **Dolginova, Iu. N.,** 19.8-676
O'Donnell, T.
Methods of computation in hydrograph analysis and synthesis, 19.8-22
Oedelycke, Per
Comparative investigations of various dust measuring instruments, 19.7-160
Oehman, Yngve
H_α filament observed against the chromosphere at the limb, 19.12-641
Oepik, Ernest J.
Evolution of the Moon's surface, Pt. 1, 19.6-596
Oermenyi, I.
Relationship between geomagnetic activity and chromospheric Hα-flares, 19.5-456
Oertle, D. H., *see* **Radd, F. J.,** 19.12-774
Oeschger, H.
In situ gas-extraction system to radiocarbon date glacier ice (*with* **Alder, B.**), 19.4-718
Oestlund, G., *see* **Szabo, B. J.,** 19.1-544
Oestman, Bo
Studies of the recovery part of cosmic ray storms, 19.12-521
Oestrem, Gunnar
Glacio-hydrology, discharge and sediment transport in the Decade Glacier area, Baffin Island, N.W.T. (*with* **Bridge, C. W.** and **Rannie, W. F.**), 19.2-306
Laboratory measurements of the resistivity of ice, 19.4-726
Oetzel, George N.
Computation of the diameter of a lightning return stroke, 19.8-488
Offi, Domenick L., *see* **Herget, W. F.,** 19.10-155
Offshore Exploration Conference, 2nd, Long Beach, Calif., Feb. 1967
Proceedings of the OECON, 19.9-729
O'Gallagher, J. J.
Cosmic-ray radial density gradient and its rigidity dependence observed at solar minimum on Mariner IV, 19.4-493
Ogawa, Toru
Observation of the ELF and sub-ELF hydromagnetic waves, 19.1-454
Ogawa, Toshihiro
Photoelectronic processes in the upper atmosphere, Pt. 2 (*with* **Tohmatsu, T.**), 19.1-382
See also **Nagata, T.,** 19.8-330
Ogawa, Toshio
ELF noise-bursts and enhanced oscillations associated with the solar-flare of July 7, 1966 (*with others*), 19.2-476
Observations of natural ELF and VLF electromagnetic noises by using ball antennas (*with others*), 19.2-477
On the frequency response of the ball antenna for measuring ELF radio signals (*with* **Tanaka, Y.** and **Miura, T.**), 19.3-533
Ogbuehi, P. O., *see* **Onwumechilli, C. A.,** 19.3-463
Ogilvie, Keith W.
Auroral electron energy spectra, 19.7-552
Electron measurements near a weak aurora (*with* **McIlwraith, N.** and **Lind, D. L.**), 19.2-404
Ogino, Kazuhiko
Climatological classification of Thailand, with special reference to humidity, 19.11-500
Ogir', M. B.
Issledovanie dvizhenii vo vspyshkakh otnositel'no poperechnoi sostavliaiushchei magnitnogo polia [Investigation of motions in flares relative to the transversal magnetic field component], 19.12-642
Ogneva, T. A.
Rol' radiatsionnogo balansa v summarnom isparenii [The role of radiation balance in total evaporation], 19.10-397

See also **Liapina, R. S.,** 19.4-41; **Sanoian, M. G.,** 19.10-398

Ognianik, G. S., *see* **Konstantinov, A. R.,** 19.10-56

Ogunlade, O., *see* **Swartman, R. F.,** 19.6-103

Oguriaev, S. E.

Some results of an investigation of the atmospheric radio interference field in a wide frequency range [Transl. from Russ.], 19.1-361

Oguti, Takasi

Interrelations of upper atmosphere disturbance phenomena in the auroral zone, 19.6-512

Magnetic field observations by rockets and satellites, 19.5-457

O'Handley, D. A., *see* **Melbourne, W. G.,** 19.10-663

Ohji, Michio

Statistical theory of wall turbulence, 19.10-242

Ohkushi, J., *see* **Miyairi, M.,** 19.6-412

Ohle, K. H.

Effect of the solar eclipse of May 20, 1966, on the ionospheric absorption of cosmic noise on 25 Mc/s (*with* **Taubenheim, J.**), 19.4-437

Ohmura, Atsumu

Computation of direct insolation on a slope, 19.10-85

Ohring, George

Seasonal and latitudinal variations of the average surface temperature and vertical temperature profile on Mars (*with* **Mariano, J.**), 19.12-602

Ohtake, Takeshi

Alaskan ice fog, Pt. 1, 19.12-341

Ohtaki, T.

Method for obtaining influence coefficient, 19.5-315

Ohwada, Mamoru

Some chemical elements in the Japan Sea (*with* **Yamamoto, K.**), 19.5-654

Okabe, Shiro, *see* **Toyota, Y.,** 19.5-650

Okada, Y.

Temperature characteristics of aneroid capsules, 19.7-146

Okamoto, Iwao

Water movements deduced from temperature variations in Lake Biwa-ko, 19.6-750

Oke, Tim R.

Some results of a pilot study of the urban climate in Montreal, 19.10-299

O'Keefe, John A.

Lunar structures as deduced from Muong Nong tektites (*with* **Adler, I.**), 19.3-581

Origin of tektites, 19.3-582

See also **Meloy, T.,** 19.9-675

Okhlopkova, A. N.

Techeniia Ladozhskogo ozera [Currents of Lake Ladoga], 19.8-387

Okołowicz, Wincenty

[Introductory remarks to Issue No. 2, 1967], 19.5-356

Zachmurzenie i opad wybranych miesiecy letnich 1962-1963 R. W okolicy wielkich jezior mazurskich [Cloud cover and precipitation of certain summer months of 1962-1963 in the region of the large Masurian Lakes], 19.4-327

Okoye, S. E.

Irregularities of plasma density in the solar neighbourhood (*with* **Hewish, A.**), 19.6-570

Occurrence of large ionospheric irregularities (*with* **Hewish, A.**), 19.6-497

Okubo, Akira

Effect of shear in an oscillatory current on horizontal diffusion from an instantaneous source, 19.2-557

Rising-plume problem, 19.4-656

Okulaja, F. Ola

Frequency distribution of Lagos/Ikeja wind gusts, 19.9-448

Okunishi, Kazuo

Study of infiltration and runoff on a natural forested slope, 19.3-293

Okuro, Akira

Study of turbulent dispersion by use of Lagrangian diffusion equation, 19.10-248

Okuzawa, Takashi

On intensity decrease of the hydromagnetic shock wave through non-uniform magnetosphere, 19.1-435

Ol', A. I.

O fizicheskoi prirode dolgoperiodicheskikh pul'satsii geomagnitnogo polia [Physical nature of long-period pulsations of the geomagnetic field], 19.3-482

Olausson, Eric

Climatological, geoeconomical and paleooceanographical aspects of carbonate deposition, 19.6-439

Olberg, Manfred

Die Informationsentropie und Bestaendigkeit des Windes [Entropy information and wind steadiness], 19.11-394

Die monatliche Informationsentropie des horizontalen Windvektors in Potsdam fuer das Jahr 1951 [Monthly entropy information of the horizontal wind vector in Potsdam for 1951], 19.6-244

Olbers, Werner

Ueber die Beziehungen zwischen Messungen der Normsichtweite und der Landebahnsicht RVR [Relationship between measurements of normal visibility and runway visual range], 19.6-455

O'Leary, B. T.

Opposition effect of Mars, 19.2-502

See also **Rea, D. G.,** 19.7-669

Oleinik, R. N.

Eksperimental'nye issledovaniia rezhima vodopotrebleniia kukuruzy v usloviiakh orosheniia na iuge Ukrainy [Experimental studies of the water consumption regime of corn in irrigated areas of the Southern Ukraine] (*with* **Levenko, I. T.** and **Shelud'ko, N. G.**), 19.11-85

Olejnik, Konrad, *see* **Paslawski, Z.,** 19.9-865

Olesen, O. H., *see* **Iversen, I. B.,** 19.10-639

Olevinskaia, S. K.

K voprosu o prichinakh vozniknoveniia termobaricheskikh seish v atmosfere [Problem of the cause of the origin of thermobaric seiches in the atmosphere] [and Eng. transl.], 19.4-210

Olgyay, Victor

Bioclimatic orientation method for buildings, 19.5-57

Oliveira Boleo, Jose de
Riqueza hidrologica da Provincia de Mocambique, 19.12-782
Oliven, M. N.
Microburst phenomena, Pt. 2 (*with* **Venkatesan, D.** and **McCracken, K. G.**), 19.8-545; Pt. 3 (*with* **Gurnett, D. A.**), 19.8-546
See also **Milton, D. W.**, 19.5-439
Oliver, J.
Problems of agro-climatic relationships in Wales in the eighteenth century, 19.7-54
Oliver, Vincent J.
Some applications of space observations to meteorology, oceanography and hydrology, 19.6-136
Olivieri, Jean C.
Codage des informations meteorologiques, 19.4-132
Ollerenshaw, C. B.
Climatic factors and liver fluke disease, 19.7-72
See also **Smith, L. P.**, 19.7-73
Ollier, C. D., *see* **Hills, E. S.**, 19.11-501
O'Lone, Richard G.
Two global efforts expected to spur weather technology, 19.9-56
Olpinska-Warzechowa, Kazimiera, *see* **Gawecka, A.**, 19.9-728
Olsen, David E.
Objective minimum-temperature forecasting for Helena, Montana, 19.10-171
Olsen, Kenneth H., *see* **Metzler, A. R.**, 19.9-756
Olsen, Robert O., *see* **Kays, M.**, 19.1-82
Ol'shevskii, V. V.
Characteristics of sea reverberation [Transl. from Russ.], 19.8-14
Olson, Boyd E.
Remote sensing in oceanography, 19.7-726
Olson, Carl A.
Solar loop prominences: a theoretical model (*with* **Lykoudis, P. S.**), 19.2-507
Olson, David A., *see* **Sanders, F.**, 19.8-314
Olson, J. R.
Flowmeters in shallow-water oceanography, 19.6-630
Olsson, I. U.
Very high ^{14}C activity in Abisko, Sweden during summer, 1965 (*with* **Stenberg, A.**), 19.10-225
Olszewski, Jerzy L.
O kompleksowej charakterystyce klimatu [On a complex characteristic of the climate], 19.11-477
Oltman, B. G., *see* **Feige, Y.**, 19.9-295
O'Mahony, G.
Cloud seeding in Wimmera-Mallee, Victoria, 1966, 19.8-210
Omholt, Anders
Spectroscopy and excitation, 19.10-577
Spectrum and excitation mechanisms in aurora, 19.2-407
See also **Egeland, A.**, 19.4-471
Omoto, Yukio
Characteristics of hailstorms in Japan, 19.6-426
Ondoh, Tadanori
Simple method for estimating an enhanced ionization in the lower ionosphere (*with* **Kishida, H.**), 19.1-383
Solar cycle variation in occurrence of geomagnetic bays (*with* **Sano, Y.**), 19.3-474
See also **Sano, Y.**, 19.3-475
O'Neill, Thomas H. R.
U. S. Navy requirements for research in tropical meteorology (*with* **Brand, S.**), 19.8-40
See also **Stuart, D. W.**, 19.7-172
Onesta, P. A.
Profiles of temperature and pollution in a highveld valley, 19.7-231
Ono, A., *see* **Mossop, S. C.**, 19.2-277
Ono, Nobuo
Specific heat and heat of fusion of sea ice, 19.11-751
Studies of ice accumulation on ships, Pt. 2, 19.9-492
See also **Tabata, T.**, 19.9-491
Onufrienko, L. G.
Norma i izmenchivost' godovogo stoka rek Ukrainy i Moldavii [Normal annual streamflow and its variability in the Ukraine and Moldavia], 19.4-764
Onufriev, B. A.
Nauchno-issledovatel'skoe sudno "Professor Vize" [The scientific research vessel "Professor Vize"], 19.6-648
Onuma, Tadayuki
Studies on heat balance on natural snow surfaces and promotion of melting of snow, 19.12-416
Onwumechilli, C. Agodi
Geomagnetic variations in the equatorial zone, 19.10-615
Relative magnitudes of geomagnetic daily-range measures near the dip Equator (*with* **Ogbuehi, P. O.**), 19.3-463
Ooyama, Katsuyuki
Numerical simulation of hurricanes, 19.11-330
On the stability of the baroclinic circular vortex: a sufficient criterion for instability, 19.2-154
Opdyke, Neil D.
Reversals of the Earth's magnetic field (*with* **Foster, J. H.**), 19.8-570
See also **Hays, J. D.**, 19.5-478
Opp, A. G., *see* **Schardt, A. W.**, 19.6-517
Oravec, Alexander, *see* **Smolen, F.**, 19.6-286
Orban, L.
Correlations entre les variations du champ geomagnetique et les situations synoptiques (*with others*), 19.7-284
Ordanovich, A. E., *see* **Ivanov, V. N.**, 19.1-256
Oren, Oton Haim
Croisiere "Chypre-02" en Mediterranee orientale, juillet-aout 1963: resultats des observations hydrologiques, 19.5-621
Oceanographic cruise "Cyprus-03" in the Eastern Mediterranean July 30-Aug. 15, 1964: results of oceanographic observations; . . . Croisiere "Chypre-04" . . . Fev.-Mars 1965; [and] . . . Fifth Cruise [of the Cyprus], 19.11-692
Orendi, Katalin
Szelstruktura vizsgalatanak epitoipari jelentosege [Importance of investigations on wind structure in the building industry], 19.12-297

Orgill, M. M.
Rainfall patterns associated with monsoon disturbances over Southeastern Asia, 19.1-299

Orheim, Olav
Surface snow metamorphosis on the Antarctic Plateau, 19.8-451

Orieux, A.
Methode d'evaluation d'un bilan hydrologique: application au Bassin de la Ceze (*with others*), 19.11-806

Orikasa, Keitaro
Two-point observations of electric property of snow-shower clouds, 19.7-479

Orlanski, Isidoro
Instability of frontal waves, 19.7-296

Orlenko, L. R.
O ravnovesnom gradiente temperatury [Equilibrium temperature gradient] [and Eng. transl.], 19.1-251

Orlov, N. I.
Determination of the amount of snow transported by wind during snowstorms by means of a recording snow gage [Transl. from Russ.], 19.10-82

Orlov, V. P.
Isoporic charts of the Antarctic for the period of 1959-1964 (*with* **Bazargapov, A. D.** and **Kolomiitseva, G. I.**), 19.8-580

Orlova, E. M.
Analiz stratifikatsii v period livnei [Analysis of stratification during showers] (*with* **Soglasnova, A. G.**), 19.3-288
K voprosu o kachestve nabliudenii nad vlazhnost'iu vozdukha na vysotakh [Quality of observations of upper air humidity], 19.3-57
Opredelenie vertikal'nykh skorostei konvektsii i nekotorykh ee parametrov po pliuviograficheskim dannym [Determination of vertical velocities and of some parameters of convection by pluviographic data], 19.9-314
Raschet kolichestva i prodolzhitel'nosti livnevykh osadkov [Calculation of rainfall amount and duration of showers], 19.12-368
Raschet stratifikatsii, livneobrazuiushchikh faktorov i osadkov na elektronnoi vychislitel'noi mashine [Calculation of stratification, shower-forming factors and precipitation on an electronic computer] (*with* **Veselova, G. K.**), 19.3-106

Orlova, G. A., *see* **Patrikeev, V. V.**, 19.12-739

Orlova, L. S., *see* **Il'in, B. M.**, 19.9-220

Orlova, V. V.
Izuchenia klimatov SSSR i zarubezhnykh stran [Study of the climates of the U.S.S.R. and of foreign countries] (*with* **Sorochan, O. G.**), 19.12-422

Orlovskii, N. S., *see* **Kirillova, T. V.**, 19.1-202

Ormes, J. F.
Proton and helium nuclei cosmic-ray spectra and modulations between 100 and 2000 Mev/nucleon (*with* **Webber, W. R.**), 19.12-522
See also **Webber, W. R.**, 19.4-501

Orowan, Egon
Age of the ocean floor, 19.8-740

Orr, Howard K.
Soil-moisture trends after thinning and clearcutting in a second-growth ponderosa pine stand in the Black Hills, 19.9-872

Orrall, F. Q.
Spectrophotometric standards for the 1962 total solar eclipse, 19.9-717

Orren, M. J.
Hydrology of the south west Indian Ocean, 19.5-626

Orszag, A.
Etude de la lune par radar optique, 19.9-31

Orton, Robert
Climatic guide: the lower Rio Grande Valley of Texas (*with others*), 19.10-463

Orvig, Svenn
Surface heat balance studies at McGill University, 19.3-162
See also **Vowinckel, E.**, 19.4-254; 19.12-256

Orville, H. D.
Ambient wind effects on the initiation and development of cumulus clouds over mountains, 19.9-468

Orville, Richard E.
High-speed time-resolved spectroscopic study of the lightning return stroke, Pt. 1, 19.12-457

Osadchii, A. S., *see* **Titov, V. B.**, 19.4-671

Osborn, Herbert B.
Persistence of summer rainy and drought periods on a semiarid rangeland watershed, 19.12-364
Variability of rainfall affecting runoff from a semiarid rangeland watershed (*with* **Hickok, R. B.**), 19.7-410
Variations in precipitation from thunderstorms in the Southwest, 19.10-274
See also **Drissel, J. C.**, 19.9-858

Osborne, J. L.
Range fluctuations for muons of energy up to 10^6 GeV (*with* **Wolfendale, A. W.** and **Young, E. C. M.**), 19.11-557

Oser, Robert K.
Design and use of a bottom environmental sensing system (*with* **Fagot, M. G.**), 19.2-534

Osheroff, T., *see* **Hobbs, P. V.**, 19.3-274

Osherov, Vol'f Eselevich
Apparatura faksimil'noi sviazi v gidrometsluzhbe [Facsimile communication apparatus in the Hydrometeorological Service], 19.8-6

Oshima, R. J., *see* **Darley, E. F.**, 19.5-168

Osipov, Iu. G.
Avtomaticheskaia kompensatsiia inertsii datchikov temperatury [Automatic compensation for the inertia of temperature sensors], 19.3-52

Oslo. Univ. Institute of Cosmic Physics, Blindern, *see* **Harang, L.**, 19.2-473

Ostby, Frederick P.
Specification of boundary layer clouds (*with* **Fisher, G. E.**), 19.3-281

Oster, J. D.
In situ measurement of soil salinity with a sensor (*with* **Ingvalson, R. D.**), 19.4-773

Östericher, Charles, Jr.
Oceanographic cruise summary, Atlantic Fleet

Tactical Underwater Range; Southeast Puerto Rico-1967, 19.6-644
Ostroumov, B. V., *see* **Zilitinkevich, S. S.,** 19.3-238
Ostrovskii, I. Ia., *see* **Shilov, E. V.,** 19.9-115
Ostrow, S. M., *see* **Leftin, M.,** 19.6-493; **Siddiqui, M. M.,** 19.6-501; 19.9-606
O'Sullivan, Patrick, *see* **Hardy, A.,** 19.10-473
Othmer, Donald F.
  Correlating vapor pressures and vapor volumes (*with* **Yu, E. S.**), 19.7-363
Otruba, J.
  Vertikale Temperaturschichtung der Atmosphaere im Bereich der Hohen Tatra [Vertical atmospheric temperature stratification in the Tatra Mountains], 19.5-231
Otsuka, Kouji
  Electron microscope study of ice in rapidly cooled plant cells (*with* **Sakai, A.**), 19.7-430
Ottersten, H.
  Radar angel activity and its correlation with meteorological parameters (*with* **Eklund, F.**), 19.10-92
Oudet, Chantal, *see* **Daigne, G.,** 19.5-545
Ouellet, C. E.
  Woody ornamental plant zonation, Pts. 1, 2, and 3 (*with* **Sherk, L. C.**), 19.1-52
Oura, Hirobumi
  Japanese glaciological studies in Antarctica, 19.7-760
Outi, Masao
  Long-term variations of the atmospheric and oceanic conditions, 19.3-356
Ovchinnikov, L. F.
  Calculation of radiation balance for several sites in the Arctic region over a long period [Transl. from Russ.], 19.8-82
Overs, J. E.
  Funnel-cloud observation, 19.8-427
  See also **Clodman, J.,** 19.1-323
Ovezgel'dyev, O.
  Chastotnye kharakteristiki i tonkaia struktura E_s [Frequency characteristics and the fine structure of E_s] (*with* **Babaev, A.**) [and Eng. transl.], 19.7-526
  Rassloenie v sporadicheskom sloe E ionosfery [Stratification in the sporadic E layer of the ionosphere] (*with* **Lezhneva, A. V.**) [and Eng. transl.], 19.7-527
  Zakonomernosti sushchestvovaniia i prostranstvennye osobennosti E_s [Regularities of the existence and space peculiarities of E_s] [and Eng. transl.], 19.5-417
  Zavisimost' maksimal'nogo znacheniia f_oE_s ot vremeni nepreryvnogo sushchestvovaniia E_s [Dependence of the maximum value f_oE_s on the time of continuous presence of E_s] [and Eng. transl.], 19.2-376
Ovsiannikov, A. N.
  Dlina mnogoletnego riada i tochnost' rascheta normy temperatury vody na poverkhnosti moria [The length of long period series and the accuracy of computation of the standard water temperature at the sea surface], 19.8-737
  Metod rascheta krivykh raspredeleniia srednesutochnykh i srochnykh temperatur vody na primere Azovskogo i Chernogo Morei [Method for computing distribution curves of mean diurnal and fixed-time water temperatures as illustrated by the Azov and Black Seas], 19.5-638
  Primenenie metoda lineinoi ekstrapoliatsii sluchainykh protsessov k raschetu morskikh neperiodicheskikh techenii [Application of the method of linear extrapolation of random processes to the computation of marine nonperiodical currents], 19.4-664
Owen, Tobias
  Search for minor constituents in the atmosphere of Venus, 19.12-598
  Water vapor on Venus: a dissent and a clarification, 19.5-567
Owen, W. J., *see* **Sharp, A. L.,** 19.3-701
Owens, H. D.
  Electron omnidirectional intensity contours in the Earth's outer radiation zone at the magnetic equator (*with* **Frank, L. A.**), 19.4-525
Owens, I. F., *see* **Greenland, D. E.,** 19.6-397
Owens, James C.
  Use of atmospheric dispersion in optical distance measurement, 19.10-488
Oxburgh, E. R.
  Mantle convection and the thermal requirements of various crustal phenomena, 19.8-567
  Problem of high heat flow and volcanism associated with zones of descending mantle convective flow (*with* **Turcotte, D. L.**), 19.12-736
Oya, Hiroshi
  Irregular type sporadic-E observed by rocket borne gyro-plasma probe at a temperate latitude, 19.8-523
  Observation of the micro-structure of the ionospheric electron density profile by gyroplasma probe (*with* **Obayashi, T.**), 19.10-545
  Quadruprobe for DC electric field measurement in space, 19.11-168
  Recombination coefficient of the upper-E and F regions deduced from the electron density profile at sunset measured by rocket borne Gyro-Plasma Probe (*with* **Obayashi, T.**), 19.4-438
  Rocket measurement of the ionospheric plasma by Gyro-Plasma Probe (*with* **Obayashi, T.**), 19.3-396
Ozawa, S., *see* **Miyairi, M.,** 19.6-412
Ozima, Minoru, *see* **Nagata, T.,** 19.10-612
Ozmidov, R. V.
  Turbulentnost' i turbulentnoe peremeshivanie v okeane (Kratkaia istoriia issledovanii v SSSR za 50 let) [Turbulence and turbulent exchange in the ocean (brief history of 50 years of Soviet research)] [and Eng. transl.], 19.5-665

◆

Pack, A. Boyd
  Climate of Scarsdale, New York (*with* **Dethier, B. E.**), 19.7-446
  See also **Dethier, B. E.,** 19.7-447
Pack, D. H., *see* **Angell, J. K.,** 19.10-231; 19.12-80

Padmanabhamurty, B.
On the variations of pressure and temperature associated with Nor'westers at Dum Dum (*with* **Chaudhury, A. K.**), 19.7-293
Paduraru, Alexandra
Influenta factorilor meteorologici asupra unor procese fiziologice la porumb si sfecla de zahar [The influence of meteorological factors upon certain physiological processes in corn and sugar beets] (*with* **Petrescu, O.** and **Hurduc, N.**), 19.11-86
Pagava, S. T.
Nekotorye osobennosti operativnogo metoda mesiachnykh prognozov pogody [Certain features of an operative method of monthly weather forecasting], 19.2-113
Page, J. K.
Field investigations of wind failures in the Sheffield gales of 1962, 19.12-298
Pagel, B. E. J.
Models of the outer layers of the Sun, 19.12-643
Paghis, Irvine
Ionospheric resonance phenomena at VHF and HF, and their effects on space telecommunications, 19.8-524
Painter, Daniel W., II
Deep vehicle telemetry, 19.7-727
Pajdusakova, L.
One-day sunspots and Minnaert's diagram, 19.4-590
Pak, Byung So, *see* **Lindgren, S.,** 19.5-448
Pak, M. I.
Spark counter for recording cosmic-radiation particles (*with* **Lukin, Iu. T.**) [Transl. from Russ.], 19.1-15
Pakhnevich, K. P., *see* **Tiushin, Iu. I.,** 19.12-440
Pakhomov, L. A.
Kharakter polia vetra i temperatury v okrestnosti verkhnei granitsy volnistykh oblakov [Characteristics of the wind and temperature field near the upper boundary of wave clouds], 19.12-249
See also **Beliaev, V. P.,** 19.9-166
Pakistan Science Conference, 18/19, Jamshoro, Feb. 1967
Proceedings, Pt. 3, Abstracts, 19.10-16
Pakkir Mohammed, P. M., *see* **Datar, S. V.,** 19.4-110; 19.8-140
Pal'gov, N. N.
Opredelenie stoka l'da, moschnosti i massy gornykh lednikov metodom balansov [Determination of ice runoff, thickness and mass of mountain glaciers by means of the balance method], 19.7-770
Palland, C. L.
Investigations on the calibration factor of the Schulze and the Funk radiation balance meters and comparison of some measured results (*with* **Wartena, L.**), 19.9-169
Palm, A.
Atmospheric temperatures and geomagnetic disturbances, 19.3-217
Enhanced luminance of the Moon, 19.1-476
Palmeira, R. A. R., *see* **Bukata, R. P.,** 19.12-565
Palmen, E.
Computation of the evaporation of the Baltic Sea from the flux of water vapor in the atmosphere (*with* **Soederman, D.**), 19.1-281
Evaluation of atmospheric moisture transport for hydrological purposes, 19.9-815
Palmer, C. E., *see* **Fabian, P.,** 19.11-287
Palmer, H. P.
Jodrell Bank Mark III radio telescope (*with* **Rowson, B.**), 19.5-543
Palmer, M. A., *see* **Hoffman, J. M.,** 19.1-81
Palmer, T. Y.
Radiometric observations and the cloud-melting zone (*with* **Kreiss, W. T.**), 19.4-243
Palmieri, Sabino
Study of the space relationships of meteorological fields over northern Italy by means of principal component analysis, 19.10-479
Paltridge, G. W.
Note on thermals observed between 300 and 900 metres altitude at Cardington, Bedfordshire, 19.8-396
Universal aspects of atmospheric electricity, 19.8-481
Paluch, Ilga, *see* **Atkinson, W. R.,** 19.8-446
Palumbo, Antonino
Sulle maree atmosferiche, 19.10-319
Palumbo, E., *see* **Nania, A.,** 19.4-200
Pan, Frank Y.
Shape of a drop or bubble at low Reynolds number (*with* **Acrivos, A.**), 19.12-274
Panaiotov, Todor
Izmenenie na chestotata na godishnite maksimalni vodni kolichestva za rekite v Bulgariia [Changes in the frequency of the maximum annual water quantities in rivers in Bulgaria], 19.8-778
Panama. Direccion de Estadistica y Censo
Meteorologia, 1966, 19.7-120
Panchang, G. M.
Long term peak rainfall expectations from observed data, 19.7-411
Panchev, St.
Metod opredeleniia koeffitsienta makroturbulentnogo obmena v atmosfere [A method of finding the coefficient of macroturbulent exchange in the atmosphere], 19.1-244
Statisticheski kharakteristiki na turbulentnite pulsatsii na posokata na viatura v prizemniia sloi [Statistical characteristics of turbulent fluctuations of wind direction in the surface layer], 19.1-257
Pande, M. Ch.
Teoreticheskoe rassmotrenie ravnovesiia molekul okisi ugleroda po stepeniam svobody v solnechnoi atmosfere [Theoretical consideration of the equilibrium of carbon monoxide molecules according to degree of freedom in the solar atmosphere] [and Eng. transl.], 19.4-585
See also **Sitnik, G. F.,** 19.4-586; 19.7-690
Panel on the use of Isotope and Radiation Techniques in Soil-Moisture and Irrigation Studies, Vienna, March 1966
Soil-moisture and irrigation studies, 19.7-20

Panferova, M. S., *see* **Tsaitts, E. S.,** 19.6-789; 19.7-350

Panfilov, D. P.
  Resursy poverkhnostnykh vod Volgo-Viatskogo raiona i perspektivy ikh dal'neishego izucheniia i khoziaistvennogo ispol'zovaniia [Surface water resources of the Volga-Vyatka Region and prospects for further study and their economic use], 19.5-770

Panfilova, S. G.
  Temperatura i solenost' pridonnykh vod Tikhogo okeana [Temperature and salinity of the Pacific bottom water] [and Eng. transl.], 19.5-679

Pankratov, A. K.
  Nekotorye dinamicheskie iavleniia v sutochnoi variatsii kosmicheskikh luchei [Some dynamic phenomena in daily variation of cosmic rays] (*with* **Stepanian, A. A.**) [and Eng. transl.], 19.5-450
  See also **Vladimirskii, B. M.,** 19.6-527

Panofsky, Hans A.
  Case studies of the distribution of CAT in the troposphere and stratosphere (*with others*), 19.9-433
  Dynamic meteorology for aerographers mates, **Pt. 1,** 19.2-155; **Pt. 2,** 19.7-26
  Fine-scale structure of the atmosphere above the surface layer in clear air, 19.9-434
  Statisticheskie metody v meteorologii [Statistical methods applied to meteorology] (*with* **Brier, G. W.**) [Transl. from Eng.], 19.10-1
  See also **Lilly, D. K.,** 19.4-278; **Zak, J. A.,** 19.3-246

Panov, T. N.
  Vekovye variatsii geomagnitnogo polia po dannym Sverdlovskoi observatorii i sravnenie ikh s dannymi Irkutskoi i Kazanskoi observatorii [Secular variations of the geomagnetic field based on data of the Sverdlovsk Observatory and their comparison with data from Irkutsk and Kazan observatories] [and Eng. transl.], 19.2-450

Panshin, Daniel Alexis
  Sea level, winds, and upwelling along the Oregon Coast, 19.2-253

Pao, Hsien Chung, *see* **Liao, S. Y.,** 19.6-262

Paolini, F. R.
  Radial diffusion processes of relativistic outerbelt electrons (*with others*), 19.10-626
  Space and time variations in outer-belt electron spectra (*with* **Theodoridis, G. C.** and **Frankenthal, S.**), 19.2-471
  See also **Theodoridis, G. C.,** 19.3-498

Papa, Robert J.
  Propagation of a transverse electromagnetic wave in a nonlinear, anisotropic, time-dependent plasma medium, 19.9-113

Papadakis, Juan
  Climates of the world and their agricultural potentialities, 19.12-25

Papadopulos, Istavros S.
  Nonsteady flow to multiaquifer wells, 19.7-822

Papai, Gabriella (Szalay)
  Hidrologiai ciklus konvektiv elemeinek jellemzoi Siofok tersegeben [Characteristics of the convective elements in the hydrological cycle at Siofok], 19.1-273
  See also **Goetz, G.,** 19.6-277; 19.7-344

Papamichos, N. T., *see* **Dotzenko, A. D.,** 19.6-430

Paperlein, D.
  Influence of wind and cloudiness on terrestrial scintillation, 19.3-364

Papet-Lepine, J., *see* **Aurejac, J. F.,** 19.8-617; **Bertin, F.,** 19.10-69; 19.12-466

Papinashvili, K. I.
  Metodika prognoza atmosfernykh osadkov v basseine r. Alazani v techenie vegetatsionnogo perioda (iiul'-avgust) [Methods for forecasting atmospheric precipitation in the Alazan River basin during the period of vegetation (July-August)], 19.10-178

Pappert, Richard A.
  Numerical study of VLF mode structure and polarization below an anisotropic ionosphere, 19.7-628

Paquet, Edward L.
  Study of the effect of sea surface temperature on the areal distribution of radar detected precipitation over the South Carolina coastal waters, 19.1-236

Paradis, Michael G.
  Reconnaissance surveys in the Mekong Delta, 19.12-792

Paranichev, L. G.
  Usloviia formirovaniia glubinnykh i pridonnykh vodnykh mass v Labradorskom basseine [Conditions for the formation of deep and bottom water masses in the Labrador Basin] (*with* **Beliakova, O. M.**), 19.6-676

Parczewski, Wladyslaw
  International conference on meteorological education and training, 19.7-36

Pardy, D.
  Night sky radiation in the infra-red, 19.10-582

Parent, Robert J., *see* **Nelson, D. F.,** 19.9-651; **Suomi, V. E.,** 19.11-606

Paris. Universite. Laboratoire de Physique de l'Atmosphere, *see* **Vassy, E. J.,** 19.6-508

Pariset, Ernest
  Formation of ice covers and ice jams in rivers (*with* **Hausser, R.** and **Gagnon, A.**), 19.5-724

Park, A. B.
  Remote sensing in agriculture and forestry, 19.9-195

Park, Kilho
  Alkalinity and pH off the coast of Oregon, 19.12-702
  Large surface carbon dioxide anomalies in the North Pacific Ocean (*with* **Curl, H. C., Jr.** and **Glooschenko, W. A.**), 19.1-548
  See also **Gilbert, W.,** 19.11-721

Parker, Albert E.
  Estimates of air pollution in Great Britain in 1966, 19.6-213
  See also **Ratcliffe, R. A. S.,** 19.5-150

Parker, B. F.
  Black sphere thermal radiometry (*with* **Smith, E. M.** and **Verma, B. P.**), 19.10-133

- **Parker, E. N.**
  - Confinement of a magnetic field by a beam of ions [Discussion by H. E. Stubbs], 19.10-607
  - Cosmic ray diffusion, energy loss, and the diurnal variation, 19.4-494
  - Disturbance of the geomagnetic field by the solar wind, 19.11-591
  - Dynamical properties of cosmic rays, 19.8-561
  - Dynamical theory of gases and fields in interplanetary space, 19.8-601
  - Nonlinear inflation of a magnetic dipole (*with* **Stewart, H. A.**), 19.2-448
  - *See also* **Jokipii, J. R.**, 19.1-420; 19.10-590
- **Parkin, David W.**, *see* **Bhandari, N.**, 19.7-221
- **Parkins, B. E.**
  - Scattering from the time-varying surface of the ocean, 19.6-657
- **Parkinson, G. V.**
  - Mechanisms of vortex-excited oscillation of bluff cylinders (*with* **Feng, C. C.** and **Ferguson, N.**), 19.11-411
- **Parkinson, I. N.**, *see* **Crossley, A. F.**, 19.6-352
- **Parks, G. K.**
  - Auroral-zone X-ray bursts of 5- to 25-millisecond duration (*with* **Milton, D. W.** and **Anderson, K. A.**), 19.5-434
  - Studies of the magnetospheric substorm, Pt. 1 (*with others*), 19.7-618
  - *See also* **Coroniti, F. V.**, 19.7-620
- **Parmele, L. H.**, *see* **Kohler, M. A.**, 19.3-270
- **Parrott, William H.**, *see* **Bilello, M. A.**, 19.6-152
- **Parry, H. Dean**
  - Conceptual design of a basic automatic weather station for land use, 19.4-133
- **Parry, L. G.**
  - Curie point determination in natural ilmenites (*with* **Westcott, M. F.**), 19.5-464
- **Parsey, M. R.**, *see* **Scott, M. I.**, 19.7-728
- **Parthasarathy, B.**
  - Seasonal oscillation of bright sunshine in India and neighborhood, 19.4-248
  - *See also* **Bedi, H. S.**, 19.6-282
- **Parthasarathy, M. C.**
  - Study of the 1961 flood in the Cauvery catchment (*with* **Sarker, R. P.**), 19.6-773
- **Parthasarathy, R.**
  - Flux density of Cassiopeia-A at 3.0 megacycles per second, 19.6-578
  - *See also* **Davis, T. N.**, 19.5-485
- **Partin, St.**, *see* **Stoenescu, St. M.**, 19.11-396
- **Partington, R. G.**
  - Polymers in oceanology, 19.6-639
- **Parungo, Farn P.**
  - Freezing of aqueous solutions of macromolecules (*with* **Wood, J.**), 19.5-288
- **Pascovici, T.**, *see* **Patrichi, Fl.**, 19.11-156
- **Pasic, H.**
  - Wettertypen und Luftverunreinigungen in Sarajevo [Weather types and air pollution in Sarajevo], 19.5-171
- **Paslawski, Zbigniew**
  - Lata hydrometryczna do pomiaru přzeplywu w przewodach otwartych [Hydrometric staff for discharge measurement in open channels, 19.12-790
  - Przyczyny niskiego powierzchniowego odplywu z dorzecza Odry [Causes for the decrease of surface runoff in the Odra River basin], 19.10-785
  - Wplyw pradolin na transformacje fal wezbraniowych rzeki Warty [Effect of side valleys on the transformation of flood waves of the Warta River] (*with* **Olejnik, K.**), 19.9-865
- **Pasov, V. M.**
  - Ispol'zovanie printsipa "etapov organogeneza" pri analize vliianiia meteorologicheskikh uslovii na urozhai iarovogo iachmenia [Use of the "organogenesis stages" principle in the analysis of the effect of meteorological conditions on the spring barley harvest], 19.4-43
- **Pasquill, F.**
  - Turbulence and mixing in the atmosphere: a review of some outstanding issues, 19.1-252
  - Vertical component of atmospheric turbulence at heights up to 1200 metres, 19.2-235
- **Passantino, Salvatore**
  - Nevicate del febbraio 1965 a Roma, 19.10-434
- **Pastushkov, R. S.**
  - K teorii konvektsii v atmosfere s vertikal'nym sdvigom vetra: chislennyi eksperiment [Theory of convection in the atmosphere with vertical wind shear: the numerical experiment] (*with* **Gutman, L. N.**), 19.3-253
  - Vliianie vertikal'nykh dvizhenii v moshchnykh konvektivnykh oblakakh na pole vetra [Influence of vertical motion on severe convective clouds wind field] (*with* **Shmeter, S. M.**) [and Eng. transl.], 19.11-423
- **Paszkiewicz, Czeslaw**
  - States of sea in the Southern Baltic with special consideration of the Polish coastal zone [Transl. from Polish], 19.10-752
- **Patachie, Iulia**
  - Repartitia coeficientului de umiditate pe teritoriul Republicii Socialiste Romania [The distribution of the humidity coefficient over Rumania], 19.3-261
- **Patel, V. L.**
  - Origin of long-period micropulsations, 19.11-580
  - Sudden impulses in the geomagnetotail, 19.10-629
- **Paterson, M. P.**
  - Oceans as a source of ice nuclei (*with* **Spillane, K. T.**), 19.11-436
- **Paton, J.**
  - Noctilucent clouds over Western Europe during 1965, 19.9-560
  - *See also* **Jacka, F.**, 19.8-542
- **Patric, J. H.**
  - Evaporation and transpiration, 19.4-319
- **Patrichi, Fl.**
  - Aspura transmiterii automate, la cerere, a datelor meteorologice prin telex [About meteorological data being automatically transmitted by teleprinter on request] (*with* **Dineata, V.** and **Suciu, C.**), 19.11-174
  - Considerations presentes et futures relatives a l'utilisation des stations automatiques pour obtenir des donnees meteorologiques en Roumanie, 19.8-143
  - New developments in automatic meteorological

instrumentation [Transl. from Russ.], 19.8-144
Nou model de pluviograf [A new rain-gauge design] (*with* **Pascovici, T.**), 19.11-156
Patrichi, Silvia, *see* **Stoenescu, St. M.,** 19.11-396
Patrikeev, V. V.
Novyi sposob metki i kolichestvennogo ucheta mechenykh peskov i ilov v probakh donnogo grunta [A new method of manufacturing and counting fluorescent tracers in sand and silt in the bottom sediment samples] (*with* **Orlova, G. A.**) [and Eng. transl.], 19.12-739
Patsaeva, V. A.
Izuchenie vozmushchenii vetra i atmosfery po seriiam uchashchennogo zondirovaniia [Investigations of wind field disturbances in the atmosphere on the basis of a series of frequent radiosonde measurements], 19.5-266
Struktura vetra nad gorami [Wind structure above mountains], 19.5-275
See also **Gorelik, A. G.,** 19.4-73; **Masenkis, A. S.,** 19.5-99
Patterson, James H., *see* **Turkevich, A. L.,** 19.10-678
Pattullo, June G., *see* **Collins, C. A.,** 19.4-602
Paul, Adolf K.
Generalization of Abel's solution for both magnetoionic components in the real-height problem (*with* **Smith, G. H.**), 19.7-528
Ionospheric electron-density profiles with continuous gradients and underlying ionization corrections, Pt. 1, 19.2-377
Ray-tracing synthesis of ionogram observations of a large local disturbance in the ionosphere (*with* **Smith, G. H.** and **Wright, J. W.**), 19.5-418
Use of virtual-height slopes for determination of electron-density profiles, 19.3-397
Paula, H. G., *see* **Finch, D. M.,** 19.10-484
Paulhus, J. L. H.
Annotated bibliography of ESSA publications of hydrometeorological interest. 2nd ed., 19.9-75
Paulikas, G. A.
Low-energy solar-cosmic-ray cutoffs: diurnal variations and pitch-angle distributions (*with* **Blake, J. B.** and **Freden, S. C.**), 19.4-495
Pauliukevicius, G.
Dinamika raspredeleniia snezhnogo pokrova v ravninnom lesnom landshafte v zavisimosti ot termicheskikh uslovii [Dynamics of snow cover distribution in a forest landscape in relation to thermal conditions], 19.1-310
Paulsen, Wilbur H.
Use of the AN/FPS-77 for quantitative weather radar measurements, 19.10-149
Paulson, Clayton A.
Profiles of wind speed, temperature and humidity over the sea, 19.7-9
Paulson, K. V.
Polarization and spectral characteristics of some high-latitude irregular geomagnetic micropulsations, 19.10-619
Paulson, M. R., *see* **Gossard, E. E.,** 19.12-560
Pautz, Maurice E.
Match wits with the weather, 19.3-124
Pavesi, Benvenuto
Strumentazione per sondaggi di gamma e beta in quota e risultati dei cicli sperimentali per individuare gli inquinamenti su Roma dovuti al secondo ed al terzo test nucleare cinese, 19.9-208
Pavlenko, G. V.
O raschete pavodochnykh raskhodov r. Latoritsy i o vozmozhnosti ikh prognozirovaniia [Computation of flood discharges of Latoritsa River and the possibility of forecasting them], 19.9-232
Pavlidis, Iu. A.
Nekotorye osobennosti obrazovaniia sovremennykh pribrezhnykh otlozhenii v predelakh bulkanicheskogo arkhipelaga, na primere Kuril'skikh ostrovov [Some features of the formation of recent coastal sediment in a volcanic archipelago, based on the example of the Kuril Islands], 19.11-23
Pavlov, Iu. N., *see* **Belov, V. F.,** 19.2-146
Pavlova, L. N., *see* **Volkovitskii, O. A.,** 19.8-467; 19.11-439
Pavlovich, L. K., *see* **Bobrov, V. N.,** 19.2-446
Pavlovskaia, A. A., *see* **Pogosian, Kh. P.,** 19.3-190, 191
Pawlak, Marian, *see* **Cieplinski, J.,** 19.1-162
Pawley, Walter, *see* **Gilbert, W.,** 19.11-721
Pawlik, Chester L.
Texas coast hurricane flood protection studies (*with others*), 19.2-173
Paylore, Patricia
Arid-lands research institutions: a world directory, 19.11-65
Payne, James C.
Balloon development for the planetary entry parachute program, 19.5-43
Pchelko, I. G.
Ob evoliutsii poliarnogo stratosfernogo tsiklona i o vzaimosviazi protsessov v troposfere i stratosfere [Polar stratospheric cyclone evolution and the interdependence of processes in the troposphere and stratosphere], 19.9-283
Turbulentnost' pri iasom nebe [Turbulence during a clear sky] (*with* **Vasil'eva, G. V.**), 19.6-58
Peach, J. V.
Low noise solar and laboratory spectroscopy, Pt. 2, 19.12-655
Peale, S. J.
Evidence against a geocentric contribution to the zodiacal light, 19.8-235
Pearce, D. C.
Empirical determination of the relative dielectric constant of the Greenland Ice Cap (*with* **Walker, J. W.**), 19.2-584
Pearce, J. B., *see* **Barth, C. A.,** 19.9-683
Pearce, R. M.
Neutron lifetime in a cosmic-ray neutron monitor (*with* **Mason, G. R.**), 19.3-434
Pears, N. V.
Wind as a factor in mountain ecology: some data from the Cairngorm Mountains of Scotland, 19.5-55
Pearson, Allen D.
Hurricane-induced tornadoes: a review, 19.8-311
Relationship of surface dew point and integrated moisture in the planetary boundary layer (*with*

Galway, J. G. and Inman, R. L.), 19.12-310
Tornado warnings over radio and television, 19.12-137
Pearson, Douglas B., Jr.
Albedo and Earth-radiation measurements from OSO-II (*with* **Neel, C. B.**), 19.10-128
Peck, Eugene L.
Influences of exposure on pan evaporation in a mountainous area, 19.7-5
Peck, R. C.
Selective precipitation indicator for automatic weather stations (*with* **Atkins, E. W.** and **Hill, A. N.**), 19.4-134
Peckham, Cyril G.
Flight-measured turbulence in the NATO Countries, 19.1-249
Peczely, Gyorgy
Kulonbozo intenzitasu napi csapadekok osszhozama Magyarorszagon [Amounts of daily precipitation of various intensities in Hungary], 19.1-301
Ped', D. A.
Ob uspeshnosti odnogo iz statisticheskikh sposobov prognoza anomalii srednei mesiachnoi temperatury vozdukha [Effectiveness of statistical methods of forecasting the mean monthly air temperature anomaly] (*with* **Kashleva, L. I.**), 19.2-114
Peden, I. C., *see* **Reynolds, D. K.**, 19.4-557
Pedgley, D. E.
Air temperature at Dallol, Ethiopia, 19.9-391
Fifth Technical Conference on Hurricanes and Tropical Meteorology, 19.12-210
Weather in the mountains, 19.1-327
Why so much rain? 19.5-316
Pedlosky, Joseph
Fluctuating winds and the ocean circulation, 19.5-260
Peebles, Glenn, *see* **Gilinsky, V.**, 19.4-49
Peery, Kenneth B.
Oceanographic cruise summary, Baffin Bay-Davis Strait-Labrador Sea, 19.3-622
Peeters, J.
Meteorology, 19.9-50
See also **Ashford, O. M.**, 19.5-16
Peev, Khristo D.
Geomorphic activity of snow avalanches, 19.3-329
Peguy, Ch. P.
Apercu sur le climat du Daughine, 19.10-461
Peimbert, Manuel
Temperature determinations of H II regions, 19.6-565
Peippo, Johan, *see* **Arnborg, L.**, 19.7-804
Pejml, Karel
Studie o kolisani klimatu v historicke dobe na zapadnim pobrezi Jizni Ameriky [Study on climate fluctuations in the historical time of the western coast of South America], 19.7-453
Pekeris, C. L., *see* **Pnueli, A.**, 19.12-744, 745
Pelissier, Joseph M.
Hurricane season of 1967, 19.9-653
See also **Sugg, A. L.**, 19.8-303
Pelko, Irena
Rosa, zamglenia i mgly w okolicy wielkich jezior mazurskich w miesiacach letnich 1961-1963 [Dew, mist and fog in the region of the larg Masurian Lakes during the summer months c 1961-1963], 19.4-326
Pell, Jerry
Computer analysis of intermittency in Albert point-hailfall, 19.10-449
Pellegrini, Francesco, *see* **Montalto, M.**, 19.1-18
Pelletier, J.
Enquetes de pollution atmospherique dar l'environnement [Investigations into atm spheric pollution in the environment] 19.6-214
Pellicori, S. F.
Automatic polarimeter for space applicatio (*with* **Gray, P. R.**), 19.1-475
Peng, Li
Long-term variations of temperature and precip tation at Taipei, 19.4-263
Penman, H. L.
Microclimatic factors affecting evaporation an transpiration (*with* **Angus, D. E.** and **Van Bave C. H. M.**), 19.7-374
Penndorf, Rudolf B., *see* **Coroniti, S. C.**, 19.4-41
Penner, Edward
Experimental pavement structures insulated wi a polyurethane and extruded polystyrene foan 19.11-220
Heaving pressure in soils during unidirection freezing, 19.10-313
Pressures developed during the unidirection freezing of water-saturated porous material 19.11-374
Penney, G. W.
Soiling of surfaces by fine particles (*with* **Ziess N. G.**), 19.11-269
Pennsylvania. State Univ. Dept. of Meteorolog *see* **Hemmerich, K. H.**, 19.4-285
Pennsylvania. State Univ. Ionosphere Researc Lab., *see* **Seliga, T. A.**, 19.4-447
Penquite, John L., *see* **Kauth, R. J.**, 19.3-361
Percy, J. Ward
40 years of temperature measurement, 19.12-
Perel, David H.
Evaluation of the thermally radiant environs of man on the lunar surface (*with* **Chapman, J.**), 19.5-554
Perelet, Georgii Ivanovich, *see* **Leonov, M.** 19.11-10
Perelet, N. A., *see* **Sakali, L. I.**, 19.9-354
Perel'man, A. Ia.
Raschet funktsii plotnosti raspredeleniia chasti po razmeram na osnovanii spektral'nykh uglovykh kharakteristik dispersnoi sistem [Calculation of the density distribution fun tion of particles according to the spectral ar angular characteristics of the dispersive system [and Eng. transl.], 19.9-382
Perez Espinosa, Miguel
Un paso mas de C. W. Thornthwaite hacia u clasificacion racional del clima, 19.9-542
Perez Siliceo, E.
Brief description of an experiment on artific stimulation of rain in the Necaxa watershe 19.8-211

Peria, W. T.
Prospect for improvement in the red-sensitivity of photoemitters, 19.9-31
Perkins, F. W., *see* **Yngvesson, K. O.,** 19.4-459
Perlroth, Irving
Hurricane behavior as related to oceanographic environmental conditions, 19.5-203
Perola, G. C.
Flux and energy spectrum of secondary electrons in the upper atmosphere (*with* **Scarsi, L.**), 19.3-435
Perov, S. P.
Raketnye izmereniia nekotorykh parametrov mezosfery [Rocket measurements of some parameters in the mesosphere] (*with* **Fedynskii, A. V.**), 19.11-277
Rocket measurements of some parameters in the mesosphere by a heat method (*with* **Fedinskii, A. V.**), 19.8-258
See also **Izakov, M. N.,** 19.9-403
Perov, V. L.
Nelineinaia nestatsionarnaia model' vetra sklonov [Non-linear, non-stationary model of mountain and valley winds] (*with* **Mal'bakhov, V. M.** and **Gutman, L. N.**) [and Eng. transl.], 19.5-246
Perret, William R.
Deep reflections from a nuclear explosion in a salt dome, 19.10-602
Perrin de Brichambaut, Chr.
Conceptions de la Meteorologie Nationale Francaise en matiere de stations automatiques, 19.4-135
Perry, A.
Blocking patterns during hot weather in Britain, 19.5-207
Summer days in the British Isles, 19.10-303
Perry, J. D.
Sea temperatures at Ocean Weather Station 'I', 19.8-738
Perry, Kenneth E.
New set of modules for oceanographic and marine meteorological instruments, instrument systems and associated data processing (*with* **Smith, P. F.**), 19.9-749
See also **Garstang, M.,** 19.1-517
Persano, A., *see* **Longheto, A.,** 19.7-148
Persin, S. M.
Principles of data coding and processing as applied to the design of Automatic Telemetering Meteorological Stations (ATMS) [Transl. from Russ.], 19.8-145
Perzhinskii, V. V., *see* **Goriunov, I. V.,** 19.3-222
Pesaresi, Riccardo, *see* **Vittori Antisari, O.,** 19.4-108
Peschanskii, Ivan Stepanovich
Ledovedenie i ledotekhnika [Glaciology and ice technology], 19.1-12
Primenenie metodov razrusheniia morskogo l'da [Application of methods of destruction of sea ice], 19.12-760
Peskov, B. E.
Issledovaniia uslovii razvitiia groz i shkvalov s pomoshch'iu diagnosticheskikh diagramm veroiatnosti i indeksov neustoichivosti [Investigation of conditions for the development of thunderstorms and squalls using diagnostic probability diagrams and instability indices], 19.4-238
Termodinamicheskie usloviia, predshestvuiushchie razvitiiu groz razlichnoi intensivnosti, i osobennosti griadovogo raspolozheniia konvektivnykh oblakov [Thermodynamic conditions preceding the development of thunderstorms of varying intensity and the characteristics of the disposition of the cloud banks of convective clouds], 19.6-278
See also **Vasil'ev, A. A.,** 19.11-82
Peterman, William A.
Hygroscopic treatment of warm cloud precipitation, 19.11-449
See also **Todd, C. J.,** 19.10-184
Peters, B., *see* **Lal, D.,** 19.10-593
Peters, D. B.
Shoot and root growth as affected by water availability (*with* **Runkles, J. R.**), 19.7-856
See also **Whisler, F. D.,** 19.8-798
Peters, E.
Operation of automatic weather stations in inhabited areas, 19.9-196
Training of an engineer for meteorology, 19.4-19
Petersen, Daniel P.
Study of interpolation and smoothing operators in objective analysis, 19.8-7
Petersen, Earl V.
Data management on large aircraft, 19.3-73
Petersen, Robert T.
Placer County water resources, 19.11-792
Petersen, Z. I.
Minimal'nyi stok pritokov r. Angary [Minimum runoff of the Angara River tributaries] (*with* **Popov, L. N.**), 19.7-833
See also **Baranov, V. A.,** 19.2-603
Peterson, A. E., *see* **Dixon, R. M.,** 19.8-796
Peterson, A. M.
Effects of nuclear explosions on radio propagation phenomena, 19.9-30
Peterson, C. F.
Radio and meteorological observations on the 11.1 - 46 radio link of the ET-A system (*with others*), 19.6-232
See also **Hause, L. G.,** 19.6-88
Peterson, Dean F., Jr., *see* **Thomas, H. E.,** 19.7-813
Peterson, George D., Jr., *see* **Gilbert, D. E.,** 19.10-476, 477
Peterson, James T.
Influence of atmospheric particulates on the infrared radiation balance of northwest India (*with* **Bryson, R. A.**), 19.11-348
Peterson, Kendall R.
Continuous point source plume behavior out to 160 miles, 19.7-254
Peterson, L. R., *see* **Green, A. E. S.,** 19.5-560
Peterson, Vern L.
Comments on Barbier's formula for the intensity of the 6300 Å nightglow, 19.10-583
F region photochemical nightglow emissions, 19.3-417
Petit, Michel
Chauffage des electrons dans l'ionosphere diurne, 19.4-439

Influence du chauffage non local des eelectrons de l'ionosphere diurne, 19.4-440

Mesures de temperatures, de densite electronique et de composition ionique dans l'ionosphere par diffusion de Thomson: etude du desequilibre thermodynamique dans l'ionosphere diurne, 19.10-546

Petkova, L., *see* **Kasymova, A. G.**, 19.5-409; **Serafimov, K.**, 19.5-420

Petkovsek, Zdravko

Vreme v Sloveniji in njegov razvoj po regionalnih vremenskih tipih za petletno dobo 1955-1959 [Weather in Slovenia and its development by regional weather types for the five year period 1955-1959], 19.2-321

Petrenko, N. V.

Fizicheskie osnovy prognozirovaniia vysoty i skorosti maksimal'nogo vetra [Physical principles of forecasting the height and velocity of maximum wind], 19.2-109

Predvychislenie vysoty i skorosti maksimal'nogo vetra v struinykh techeniiakh [Precomputation of height and maximum speed of wind in jet stream], 19.5-69

Petrescu, O., *see* **Paduraru, A.**, 19.11-86

Petri, Winfried

Mondsonden 1966 [Lunar probes of 1966], 19.11-633

Petriceks, J., *see* **Baron, M.**, 19.2-61

Petrichenko, I. A.

Chislennyi sposob rascheta na elektronnoi vychislitel'noi mashine prognosticheskikh vertikal'nykh dvizhenii po poliu davleniia s privlecheniem traektorii vozdushnykh chastits [Numerical method of calculating forecast of vertical motions on a computer, based on the pressure field and the trajectories of air particles], 19.3-103

Dvukhurovennaia chislennaia skhema prognoza oblozhnykh osadkov [Two-level numerical model for forecasting continuous precipitation], 19.3-104

Petrov, B. M.

Prozrachnost' i tsvet vody Ladozhskogo ozera [Transparency and color of Lake Ladoga water], 19.4-744

Petrov, G. N., *see* **Korbutiak, M. V.**, 19.5-730

Petrov, I. G.

K raspredeleniiu tolshchiny l'da i snega v pribrezhnoi chasti moria Deivisa [Ice and snow thickness distribution in the coastal areas of the Davis Sea] [and Eng. transl.], 19.3-317

Petrov, L. S.

Izmenchivost' temperatury vozdukha v severnoi chasti Atlanticheskogo okeana [Variability of atmospheric temperature in the northern part of the Atlantic Ocean], 19.11-362

Nekotorye statisticheskie kharakteristiki izmenchvosti vetra k zapadu ot Britanskikh ostrovov [Some statistical characteristics of wind variability west of the British Isles], 19.11-395

Petrov, V. N.

Snow accumulation periodicity in Antarctica (*with* **Smirnov, N. P.** and **Barkov, N. I.**) [Transl. from Russ.], 19.2-297

Petrov, V. P.

Comprehensive automation of the hydrometeorological station network [Transl. from Russ.], 19.9-197

See also **Bogomolov, A. M.**, 19.11-158; **Dimaksian, A. M.**, 19.11-144, 789

Petrovic, Pavel

Vyhodnoceni radioaktivity atmosfery v CSSR za rok 1966 [Report on atmospheric radioactivity in Czechoslovakia in 1966, 19.10-226

Petrovic, Stefan

Klimaticke a fenologicke pomery Vychodoslovenskeho kraja [Climatological and phenological conditions of Eastern Slovakia], 19.2-7

Komplexna klima Strbskeho Plesa [Complex climate of Strbske Pleso], 19.6-433

Petrovskii, Iu. S., *see* **Novozhilova, N. I.**, 19.11-317

Petryshyn, W. V.

On the eigenvalue problem Tu-λ Su=0 with unbounded and nonsymmetric operators T and S, 19.7-100

Pettengill, G. H.

Radar studies of the planets, 19.12-580

Pettersen, H., *see* **Harang, O.**, 19.4-398

Pettit, K. G.

Airborne instrumentation for a cloud physics research project, 19.10-143

Petukhov, B. S.

Convective heat transfer in a homogeneous medium [Transl. from Russ.], 19.11-300

Peyton, Harold R.

Ice and marine structures, Pt. 1, 19.10-771

Peyturaux, Roger

Mesure absolue de l'energie emise par le centre du disque solaire de 4477 a 8638 Å, 19.12-230

Pfeffer, Richard L.

New concept of available potential energy (*with others*), 19.2-169

Wave dispersion in a rotating, differentially heated cyclindrical annulus of fluid (*with* **Fowlis, W. W.**), 19.12-175

What is geophysical fluid dynamics? 19.12-176

Pfenninger, W.

Flow disturbances induced by low-drag boundary-layer suction through slots (*with* **Bacon, J.** and **Goldsmith, J.**), 19.10-338

Pfister, W.

Auroral investigations by means of rockets, 19.9-614

Pharo, James A., *see* **Lamb, R. C.**, 19.1-98

Pharo, M. W., III, *see* **Taylor, H. A., Jr.**, 19.7-592

Phelps, Austin H., Jr., *see* **Byrd, J. F.**, 19.11-259

Philbrick, Allen K.

Nodal water region of North America, 19.12-783

Philco Corp. Systems Technology Center, Arlington, Va.

Preliminary design phase for the meteorological communications study NIMBUS weather data, 19.12-54

Philip, J. R.

Relation between Eulerian and Lagrangian statistics, 19.10-339

Philippe, L., *see* **Poggi, A.,** 19.6-147
Philippines. Weather Bureau
Tropical cyclones of 1965, 19.10-257
Phillips, A. J., *see* **Burton, J. D.,** 19.9-768
Phillips, B. B.
Charge distribution in a quasi-static thundercloud model, 19.5-381
Convected charge in thunderstorms, 19.5-382
Hail suppression concepts, 19.11-242
Ionic equilibrium and the electrical conductivity in thunderclouds, 19.5-383
See also **Cobb, W. E.,** 19.5-376
Phillips, John
Tsunamis, 19.8-743
Phillips, John G.
Comments on the identification of the emission feature observed by Kozyrev in the Crater Alphonsus (*with* **Arpigny, C.**), 19.1-477
Phillips, N. S.
Measurement of wind shear, 19.2-68; 19.9-134
Phillips, Norman A.
Numerical weather prediction, 19.4-148
Phillips, O. M.
Generation of clear-air turbulence by the degradation of internal waves, 19.9-435
On the Bolgiano and Lumley - Shur theories of the buoyancy subrange, 19.9-320
Theoretical and experimental studies of gravity wave interactions, 19.3-657
Theory of wind-generated waves, 19.9-455
Phillpot, H. R.
Selected surface climatic data for Antarctic stations (*comp.*), 19.5-340
Some further observations on Antarctic stratospheric warming, 19.12-201
Phinney, R. A.
On the radio occultation method for studying planetary atmospheres (*with* **Anderson, D. L.**), 19.7-253
Piatnenkov, B. A.
O radiatsionnom balanse atmosfery Antarktiki [Radiation balance of the Antarctic atmosphere], 19.2-196
Picard, Alice
Quelques observations sur les apparitions du Suedfoehn a Innsbruck, 19.5-251
Piccard, Jacques
Exploring the Gulf Stream, 19.11-698
Picciotto, E. E.
Geochemical investigations of snow and firn samples from East Antarctica, 19.7-434
Lead-210 and strontium-90 in an Alpine glacier (*with others*), 19.5-720
Picha, Jaroslav
Mereni atmosferickeho ozonu [Measurements of atmospheric ozone], 19.4-179
Pichler, H.
Zum Studium der Struktur des Stromfeldes im Bereich der Alpen [Study of the structure of the circulation pattern in the Alpine area] (*with* **Reuter, H.**), 19.5-192
See also **Cehak, K.,** 19.5-268; 19.12-284
Pickett, R. L.
Properties of the northern edge of the Gulf Stream inferred from aircraft observations, 19.2-564
Pickwell, G. V.
Gas and bubble production by siphonophores, 19.8-718
Piddington, J. H.
Causes and uses of geomagnetic disturbance index *Kp*, 19.12-541
Electrodynamic effects of Jupiter's satellite Io (*with* **Drake, J. F.**), 19.9-669
Hydromagnetic model of geomagnetic storms and auroras, 19.11-586
Piechura, Jan
Oddzialywanie wlewow z Morza Polnocnego na warunki hydrologiczne Baltyku [Effect of inflow from the North Sea on the hydrologic conditions in the Baltic], 19.10-744
Pieper, George F.
Solar wind and the Earth's magnetosphere, 19.1-436
Pierce, Allan D.
Theory of reflection of acoustic waves from atmospheric wind gradients (*with* **Friedland, A. B.**), 19.7-492
Pierce, E. T.
Atmospherics–their characteristics at the source and propagation, 19.9-30
Pierce, J. R., *see* **Brown, W. S.,** 19.4-20
Pierson, D. H.
Interhemispheric transfer of debris from nuclear explosions using a simple atmospheric model (*with* **Cambray, R. S.**), 19.8-277
Pierson, Willard J., Jr.
Gravity waves, 19.4-690
Importance of the atmospheric boundary layer over the oceans in synoptic scale meteorology, 19.10-340
Piest, Juergen
Comparison of the Bretschneider relations concerning the distribution of the visually-observed waves and the spectrum of the sea waves with the results of the evaluation of wave records from the Helgolaender Bucht [Transl. from German], 19.4-691
Piggott, B. A. M., *see* **Allan, R. R.,** 19.11-304
Piggott, W. R.
Collision frequencies in the D-region and stratospheric-mesospheric relations, 19.9-30
Ionosphere: vertical incidence soundings (*with* **Bossy, L.**), 19.8-525
Piguzova, V. M.
K metodike izucheniia podzemnogo pitaniia rek raionov rasprostraneniia mnogoletnemerzlykh porod [Method of studying subsurface feeding of rivers in areas of permanently frozen rocks] (*with* **Shchebreneva, N. A.**), 19.3-696
Piip, Ants T.
Precision sound velocity profiles in the ocean, Vol. 3, 19.12-689
Pike, Julian M.
Rainfall rate distribution recording on tape, 19.10-145
Pilet, P. E., *see* **Chollet, R.,** 19.6-200
Pilie, Roland J.
Investigation of warm fog properties and fog

modification concepts (*with* **Kocmond, W. C.**), 19.11-225

Warm fog suppression in large-scale laboratory experiments (*with* **Kocmond, W. C.** and **Jiusto, J. E.**), 19.2-125

Pilipowskyi, Serhij

Evaluation of the operational utility of direct readout infrared satellite data, 19.8-105

Pimenov, I. A., *see* **Blokh, Ia. L.,** 19.5-443

Pinter, S.

Elektrofotometricheskie izmereniia bystrykh variatsii intensivnosti poliarnykh siianii i geomagnitnogo polia [Electrophotometric measurements of rapid variations of the intensity of auroras and the geomagnetic field] [and Eng. transl.], 19.3-411

Geomagnetic crochets associated with proton flares, 19.3-473

Geomagnetic crochets of solar flares observed in Hurbanovo, 19.4-514

On the 11-year cycle of solar flares and geomagnetic crochets (*with* **Knoska, S.**), 19.6-533

Solar-flare X-ray emission producing geomagnetic pulsations, 19.8-576

See also **Kruchinin, Iu. A.,** 19.3-666, 667

Pinus, N. Z.

O turbulentnosti atmosfery na malykh vysotakh, vliiaiushchei na polet samoletov [Atmosphere turbulence at low altitudes influence the flight of aircraft], 19.10-355

Power spectra of turbulence in the free atmosphere, 19.6-325

See also **Vinnichenko, N. K.,** 19.9-431

Piotrovich, V. V.

Results of 10 years of observations on the water temperature of springs in the vicinity of Moscow [Transl. from Russ.], 19.10-789

Pirner, M.

Wind effects on noncylindrical constructions, 19.12-299

Pirozhnyi, N. A.

Astronomiia, 19.8-17

Pitman, D.

Effective thermal conductivity of snow at -88°C, -27°C, and -5°C (*with* **Zuckerman, B.**), 19.12-411

Pitsyk, I. V.

Nekotorye predlozheniia k metodike nabliudenii i obrabotki kolebatel'nykh izmenenii urovnia na Kuibyshevskom vodokhranilishche [Some suggestions for a method of observing and analyzing fluctuations in the level of the Kuibyshev Reservoir], 19.6-784

Pitts, David E.

Computer program for calculating model planetary atmospheres, 19.9-681

Pivkin, V. M., *see* **Kovaleva, T. E.,** 19.11-498

Pivovarov, A. A.

K metodike gradientnykh i aktinometricheskikh izmerenii v otkrytom more [Methods of gradient and actinometric measurements in the open sea] (*with* **Anisimova, E. P.** and **Frolov, V. I.**) [and Eng. transl.], 19.1-102

O sutochnom khode temperatury v poverkhnostnom i v privodnom sloiakh moria i atmosfery [Diurnal temperature variations in the surface layer and on the layer of the sea and atmosphere near the surface] [and Eng. transl.], 19.9-392

Predvychislenie srednikh po vertikali podlednykh temperatur vody protochnykh vodoemov [Precomputation of the mean vertical under-ice temperatures of water of flowing reservoirs], 19.4-756

See also **Pyrkin, Iu. G.,** 19.12-723; **Voskanian, A. G.,** 19.5-227

Pivovarova, Z. I.

Kolebaniia solnechnoi radiatsii po nazemnym izmereniiam [Fluctuation of solar radiation according to surface measurements], 19.9-366

Otsenka summarnogo prikhoda korotkovolnovoi radiatsii na steny zdanii [Estimation of the total short wave radiation received by walls of buildings], 19.10-290

Priamaia solnechnaia radiatsiia, postupaiushchaia na steny zdanii [Direct solar radiation, incident in walls of buildings], 19.9-367

See also **Berliand, T. G.,** 19.10-281; **Budyko, M. I.,** 19.9-361

Plam, M. Ia., *see* **Kotliakov, V. M.,** 19.3-326

Plant, J. A.

Climate of Glasgow, 19.5-338

Plas, J., *see* **Poggi, A.,** 19.3-342

Plass, Gilbert N.

Influence of single scattering albedo on reflected and transmitted light from clouds (*with* **Kattawar, G. W.**), 19.9-372

Monte Carlo calculations of light scattering from clouds (*with* **Kattawar, G. W.**), 19.8-424

See also **Kattawar, G. W.,** 19.8-328; 19.12-453

Plate, E. J., *see* **Arya, S. P. S.,** 19.10-321

Platzman, George W.

Procedure for operational prediction of wind set-up on Lake Erie, 19.9-456

Retrospective view of Richardson's book on weather prediction, 19.2-8

Plaude, N. O., *see* **Gaivoronskii, I. I.,** 19.9-246

Ploeg, J.

Wave climate study: Lake Superior, 19.3-686

Plooster, Myron N., *see* **Goyer, G. G.,** 19.12-327; **Jones, D. L.,** 19.10-502

Plotkin, Jon, *see* **Williams, R. T.,** 19.7-297

Plunkett, Allan B.

Radar design for atmospheric turbulence studies, 19.8-376

Pneuman, G. W.

Solar flares as resulting from the temporary interruption of energy flow to the corona: a case of hydromagnetic resonance, 19.9-708

Pnueli, A.

Free tidal oscillations in rotating flat basins of the form of rectangles and of sectors of circles (*with* **Pekeris, C. L.**), 19.12-744

Tides in oceans in the form of a cross (*with* **Pekeris, C. L.**), 19.12-745

Pobiiakho, V. A., *see* **Belinskii, V. A.,** 19.2-10

Poc, Marie Martine

Electrocongelation des brouillards surfondus, 19.9-496

See also **Roulleau, M.,** 19.4-389

Pochop, Larry O.
- Sky cover influence on total hemispheric radiation during daylight hours (*with* **Shanklin, M. D. and Horner, D. A.**), 19.10-291

Pochtarev, V. I.
- Magnitnoe pole planet po dannym issledovaniia magnitnykh svoistv meteoritov [Magnetic field of the planets based on data of investigation of meteorite magnetic properties] [and Eng. transl.], 19.2-498
- *See also* **Gus'kova, E. G.,** 19.5-581

Podani, Mircea
- Die durch die hochwasserfreien Eindeichungen bedingte Veraenderung der Abflussverhaeltnisse der unteren Donau [Changes of flow conditions of the lower Danube due to bank regulations by levees designed for maximum flood], 19.3-704

Podoinitsyna, Z. N.
- Raspredelenie osadkov po territorii verkhnei chasti basseina r. Amur [Distribution of precipitation in the upper part of the Amur River basin], 19.8-431

Podol'skaia, G. I., *see* **Alekseev, G. V.,** 19.10-718; **Nikolaev, Iu. V.,** 19.6-704

Podoplelov, V. P., *see* **Brattsev, L. A.,** 19.4-381

Podzimek, Josef
- Description of the growth of an isolated ice crystal on the basis of an analogy with an electrostatic field, 19.11-463
- Results of measurements of giant condensation nuclei of chlorides in Cuba, 19.10-400

Poeverlein, H.
- Ion-acoustic waves modified by gravity, 19.10-500
- Magnetoionic theory in cylindrical geometry, 19.12-505

Poggi, A.
- Anemographie a teleindication digitale [Digital telemetering anemograph] (*with* **Chaillou, A. and Philippe, L.**), 19.6-147
- Conditions meteorologiques critiques pour le declenchement des avalanches (*with* **Plas, J.**), 19.3-342

Pogorelov, V. I.
- O strukture elektromagnitnogo polia za ekranom so sluchainymi neodnorodnostiami [Structure of electromagnetic field behind a screen with random irregularities] [and Eng. transl.], 19.1-161

Pogosian, Kh. P.
- O vertikal'nom raspredelenii atmosfernykh osadkov v Zakavkaz'e [Vertical distribution of precipitation in Transcaucasia] (*with* **Gakhramanov, G. A.**), 19.3-298
- Povtoriaemost' vnetropicheskikh atmosfernykh vikhrei nad Tikhim okeanom v razlichnye sezony [Frequency of extratropical atmospheric vortices over the Pacific Ocean during different seasons] (*with* **Pavlovskaia, A. A.**), 19.3-190
- Protsessy razdvoeniia stratosfernogo poliarnogo tsiklona [Splitting processes of a stratospheric polar cyclone] (*with* **Pavlovskaia, A. A.**), 19.3-191

Pogrebniak, P. S.
- K voprosu o neobkhodimosti sozdaniia kompleksnykh geograficheskikh stantsionarov [Necessity of creating interdisciplinary geographic stations], 19.12-69

Pokazan'ev, V. G.
- Magnitnyi rezonans v opticheski orientirovannom He^3 [Magnetic resonance in optically oriental He^3] (*with* **Iakub, L. I. and Skrotskii, G. V.**) [and Eng. transl.], 19.12-447

Pokrovskaia, I. A.
- Standard barometer and the use of its readings at the network stations [Transl. from Russ.], 19.8-124

Pokrovskaia, Taisiia Vasil'evna
- Klimat Leningrada i ego okrestnostei [Climate of Leningrad and its environs] (*with* **Vychkova, A. T.**), 19.3-3

Pokrovskii, G. I.
- O vzryve meteornykh tel, dvizhushchikhsia v atmosfere [Explosion of meteoric bodies moving in the atmosphere], 19.11-663

Pokrovskii, Iu. V.
- K voprosu ekonomicheskoi effektivnosti avtomatizatsii ob''ektov gidrometeorologicheskoi sluzhby [Economic effectiveness of automation of the facilities of a hydrometeorological service], 19.7-41

Poland. Panstwowy Instytut Hydrologiczno–Meteorologiczny
- Bibliografia meteorologiczna, 1940-1960: Polska. [Meteorological bibliography of Poland, 1940-1960], 19.2-42
- Bibliography of Polish meteorology and climatology up to 1939 [Transl. from Polish], 19.11-74
- Opady atmosferyczne, 1962 [Precipitation, 1962], 19.7-121
- Rocznik Meteorologiczny, 1962 [Meteorological yearbook, 1962], 19.6-35
- Wyniki Pomiarow Temperatury Gruntu, 1958 [Results of soil temperature measurements, 1958], 19.7-122

Polar Record, [Cambridge]
- Field work [in polar research by various countries and expeditions], 19.9-159

Polgar, Michael, *see* **Majkrzak, C. P.,** 19.9-746

Poliakova, E. A.
- Raboty po atmosfernoi optike [Works on atmospheric optics] (*with* **Shifrin, K. S.**), 19.12-448
- *See also* **Barteneva, O. D.,** 19.1-8

Poliakova, K. N.
- Characteristics of the melting of the ice cover and the opening of the middle Lena River [Transl. from Russ.], 19.5-725

Pollack, James B.
- Analysis of Martian photometry and polarimetry (*with* **Sagan, C.**), 19.10-687
- Analysis of the Mariner 2 microwave observations of Venus (*with* **Sagan, C.**), 19.2-499
- *See also* **Irvine, W. M.,** 19.10-487; **Sagan, C.,** 19.3-563; 19.11-652

Polonskii, V. V., *see* **Livshits, M. A.,** 19.10-705

Poloskov, S. M., *see* **Andreeva, L. A.,** 19.4-71

Polozov, V. V.
Raschetnaia skhema prognoza polia davleniia nad Severnoi Atlantikoi s zablagovremennost'iu 5 sutok [Numerical scheme for 5-day pressure field forecasting over the North Atlantic], 19.10-175
Polysalova, N. F., *see* **Borisenkov, E. P.,** 19.11-138
Pomeranets, K. S.
Raschet temperatury vody putem chislennogo resheniia uravneniia teploprovodnosti na primere Baltiiskogo moria [Computation of water temperature by numerical solution of the heat exchange equation based on the example of the Baltic Sea], 19.5-639
See also **Zykov, I. D.,** 19.4-660
Pomerantz, Martin A.
Investigations of cosmic ray intensity variations in Antarctica, 19.4-496
Ionospheric forward-scatter program in the Antarctic, 19.4-441
See also **Nagashima, K.,** 19.6-525
Pomilla, Frank R., *see* **Milford, S. N.,** 19.1-484
Pomytkin, B. A.
Poteri vody na summarnoe isparenie s polia, zaniatogo l'nom, v usloviiakh Valdaia [Water losses due to evapotranspiration from a flax field in Valdai], 19.1-282
Pond, Stephen
Institute of Atmospheric Physics, Academy of Sciences, USSR: Report, 19.8-739
Meteorological Institute of the University of Hamburg, 19.8-46
Some effects of buoy motion on measurements of wind speed and stress, 19.6-119
Ponomarenko, G. P.
Istoriia otkrytiia na ekvatore Atlanticheskogo okeana moshchnogo podpoverkhnostnogo techeniia nazvannogo imenem velikogo russkogo uchenogo M. V. Lomonosova [History of the discovery at the equator in the Atlantic Ocean of a powerful subsurface current named for the great Russian scientist M. V. Lomonosov], 19.2-565
Ponomarev, E. A., *see* **Vershinin, E. F.,** 19.1-15
Ponomareva, T. G., *see* **Ivanenko, A. G.,** 19.11-801
Ponsford, P. J., *see* **Gould, R. W. E.,** 19.12-289
Ponsonby, J. E. B.
U.S.S.R.-U.K. planetary radar experiment (*with* **Thomson, J. H.**), 19.9-30
See also **Thomson, J. H.,** 19.8-645; 19.9-31
Poole, E. G.
Late Weichselian glaciation in the Cheshire-Shropshire Basin, 19.2-592
Poole, L. M. G.
Duration distribution of radio-echoes obtained from underdense shower-meteor trains (*with* **Kaiser, T. R.**), 19.1-473
Popham, Robert W., *see* **U. S. National Environmental Satellite Center,** 19.1-23
Popkin, Roy
Environmental Science Services Administration, 19.2-35
Environmental Science Services Administration: including The Coast and Geodetic Survey; The Weather Bureau; The Institute for Telecommunications Sciences and Aeronomy and other related services, 19.10-32
Popov, A. K.
Eksperimenty s chetyrekhurovannoi skhemoi prognoza geopotentsiala v troposfere i nizhnei stratosfere s uchetom izlucheniia i turbulentnoi teploprovodnosti [Experiments with a four-level forecasting scheme of the geopotential in the troposphere and lower stratosphere with a consideration of radiation and turbulent heat conductivity] (*with* **Rudenko, S. I.**), 19.10-166
Popov, E. A.
Atmosfernye osadki na Ladozhskom ozere [Atmospheric precipitation on Lake Ladoga], 19.8-432
Izuchenie Ladozhskogo ozera Laboratoriei ozerovedeniia LGU, 1956-1962 gg [Study of Lake Ladoga by the Limnology Laboratory of the Leningrad State University, 1956-1962] (*with others*), 19.3-687
Popov, E. G.
Gidrologicheskie prognozy, ikh zablagovremennost', nadezhnost' i opyt ispol'zovaniia v vodokhoziaistvennykh sistemakh [Hydrological forecasts, the time in advance they are made, their reliability and an attempt to use them in water resource systems], 19.9-235
Reisovye prognozy urovnei vody dlia sudokhodstva [Cruise forecasts of water levels for navigation] (*with* **Mukhin, V. M.**), 19.3-116
Popov, L. N., *see* **Baranov, V. A.,** 19.2-603; **Petersen, Z. I.,** 19.7-833
Popov, O. V.
Metod vodnogo balansa pri otsenke podzemnogo stoka [Water balance method for estimating subsurface runoff], 19.2-609
Regional'naia otsenka podzemnogo pitaniia rek v gidrologicheskikh tseliakh [Regional assessment of subsurface feeding of rivers for hydrological purposes], 19.3-697
See also **Zektser, I. S.,** 19.3-699
Popov, V. N.
Theoretical calculation of the heat transfer and friction resistance for carbon dioxide in the supercritical region [Transl. from Russ.], 19.11-301
Popova, T. P.
Kharakteristika oblachnosti nad severnym polushariem letom 1965 g. po dannym s meteorologicheskogo sputnika [Characteristics of cloud cover over the Northern Hemisphere in the summer of 1965 based on meteorological satellite data] (*with others*), 19.3-284
"Vtorichnyi" oblachnyi vikhr' ["Secondary" cloud vortex] (*with* **Tsar'kova, A. M.**), 19.5-120
See also **Skopintsev, B. A.,** 19.4-646
Popovic, M.
Etude de l'epaisseur d'eau condensable et de ses relations avec les situations meteorologiques, 19.8-397
Popovics, Maria (Gubola)
Termeszetes megvilagitas erossege Budapesten a teli felevben [Intensity of natural day-light in

Budapest during the winter half-year], 19.6-453
Porkolab, M.
Turbulent diffusion experiments in a thermal plasma (*with* **Kino, G. S.**), 19.8-288
Porteous, D. M., *see* **Ross, D. I.,** 19.10-713
Porter, John M., *see* **Roberts, C. F.,** 19.6-183; 19.7-188
Portig, Wilfried H.
Humid warm tropical climate and man, 19.10-62
See also **Fradel, M. A.,** 19.11-130
Portman, Donald J.
Laser scintillation caused by turbulence near the ground (*with* **Ryznar, E.** and **Waqif, A. A.**), 19.7-339
Portniagin, Iu. I., *see* **Lebedinets, V. N.,** 19.1-492
Portnova, V. P.
Sfericheskii garmonicheskii analiz postoiannogo geomagnitnogo polia metodom Shustera [Spherical harmonic analysis of a constant geomagnetic field by Shuster's method] (*with* **Fishchuk, D. I.**) [and Eng. transl.], 19.2-449
Portz, H. L.
Frost heaving of soil and plants, Pt. 1, 19.1-53
Porubcan, V.
Meteor velocities measured by telescopic observation through the rotating shutter, 19.3-574
Posen, Annette
Theoretical study of meteoric trajectories and processes, including examination of the incidence and characteristics of photographic meteors by reduction of about 600 data points (*with* **McCrosky, R. E.**), 19.7-675
Posey, Chesley J.
Analysis of quasi-periodic weather data, 19.12-74
Posey, Julian W.
Weather and circulation of Aug. 1967: unusually cool east of the Rockies and very warm in the Far West, 19.4-86
Weather and circulation of Feb. 1968: Cold and dry in the East, warm in the West, 19.11-133
Posgay, Karoly
Magyarorszagi foldmagneses hatok attekinto vizsgalata [Comprehensive survey of geomagnetic masses in Hungary], 19.3-6
Post, R. E.
Laboratory model for studying transhorizon radio wave propagation phenomena (*with* **Guidry, M. R., Jr.** and **Rost, D. F.**), 19.10-76
Potaishuk, M. S., *see* **Arkhipova, E. G.,** 19.5-637
Potapova, N. I.
O nizhelezhashchei nochnoi ionizatsii v ionosfere [Lower-lying night ionization in the ionosphere] (*with* **Shapiro, B. S.**) [and Eng. transl.], 19.1-384
See also **Shapiro, B. S.,** 19.7-534
Potash, M.
Oxygen depletion patterns in Malletts Bay, Lake Champlain (*with* **Henson, E. B.**), 19.4-745
See also **Henson, E. B.,** 19.6-742
Potemra, T. A.
VLF phase perturbations produced by solar protons in the event of Feb. 5, 1965 (*with others*), 19.4-556
Potetiunko, G. N., *see* **Chernysheva, S. P.,** 19.1-366
Pottasch, S. R., *see* **Habing, H. J.,** 19.2-428; **Jordan, C.,** 19.12-647
Potter, John, *see* **Arking, A.,** 19.10-681
Pound, T. R., *see* **Cornellier, J. R.,** 19.8-501
Pounder, E. R.
Energy fluxes at air-sea ice interface: Tanquary Fiord (*with* **Langleben, M. P.**), 19.2-317
See also **Addision, J. R.,** 19.12-753
Pounds, K. A., *see* **Evans, K.,** 19.12-651
Powell, C.
Offshore fix (*with* **Thomson, J. M.**), 19.6-640
Powell, R. S.
Optical scattering from non-spherical randomly aligned, polydisperse particles (*with others*), 19.4-386
Powers, Charles F.
Aging Great Lakes (*with* **Robertson, A.**), 19.6-754
Powers, W. L.
Orthonormal function tables and the seepage of steady rain through soil bedding (*with* **Kirkham, D.** and **Snowden, G.**), 19.5-774
Pozigun, V. L.
O pereraspredelenii ionizatsii v oblasti E ionosfery [Redistribution of ionization in the region of the E ionosphere] (*with* **Chavdarov, S. S.**) [and Eng. transl.], 19.7-529
Prakash, S., *see* **Sen Roy, N.,** 19.4-112
Prantner, Gene D.
Antarctic tropopause, 19.12-151
Prasad, Ramanand
Nonlinear hydrologic system response model [Discussion by A. Ben-Zvi and R. K. Linsley], 19.10-411
Prasad, S. S., *see* **Mahajan, K. K.,** 19.7-522
Prashko, D. V.
Opyt sostavleniia programmy obrabotki rezul'tatov temperaturno-vetrovogo zondirovaniia na TSVM [Program design for processing data from temperature and wind soundings on digital computer] (*with* **Trifonov, G. P.**), 19.9-131
Pratt, R., *see* **King, J. W.,** 19.4-429; 19.7-518
Praus, Oldrich, *see* **Jiricek, F.,** 19.10-506
Prausnitz, J. M.
Intermolecular forces in systems containing water (*with others*), 19.7-265
Prebble, M. M.
Cavernous weathering in the Taylor Dry Valley, Victoria Land, Antarctica, 19.7-762
Preddey, G. F., *see* **Kaiser, A. B.,** 19.6-491
Predmerszky, Tibor, *see* **Bozoky, L.,** 19.6-234
Preece, D. M., *see* **King, J. W.,** 19.2-366; **Legg, A. J.,** 19.4-432
Prenatt, Raymond E., *see* **Lootens, H. T.,** 19.6-495
Prentice, J. E.
Sediment transport in estuarine areas (*with others*), 19.12-740
Press, Harry
Nimbus: a progress report (*with* **Huston, W. B.**), 19.9-654
Preston, C., *see* **Leftin, M.,** 19.6-493

Preston-Whyte, R. A.
Nature and significance of early morning winter air movement over Durban Bay, 19.12-217
Price, A. T.
Electromagnetic induction within the Earth, 19.10-605
Price, Don
Ground water in the Eola-Amity Hills area Northern Willamette Valley, Oregon, 19.8-783
Price, Fraser P.
Estimation of nucleation parameters from continuous cooling droplet experiments (*with* **Gornick, F.**), 19.4-322
Price, P. B.
Identification of very heavy cosmic-ray tracks in meteorites (*with* **Fleischer, R. L.** and **Moak, C. D.**), 19.8-562
Price, R.
Detectors for radar astronomy, 19.12-581
Price, R. D., *see* **Bowyer, C. S.**, 19.6-305
Pries, Thomas H.
Distribution of eddy velocities and temperature fluctuations in the first 100 meters (*with* **Appleby, J. F.**), 19.1-227
Priester, W.
Physical behavior of the upper atmosphere deduced from satellite drag data (*with* **Roemer, M.** and **Volland, H.**), 19.1-94
Priestley, C. H. B.
Handover in scale of the fluxes of momentum, heat, etc. in the atmospheric boundary layer, 19.10-341
On the importance of variability in the planetary boundary layer, 19.8-284
On the link between micrometeorology and larger-scale dynamics, 19.3-179
Prikhot'ko, Gennadii Fedorovich
Iskusstvennye osadki iz konvektivnykh oblakov [Artificial precipitation (from?) convective clouds], 19.10-3
Klimat ukrainy [Ukrainian climate] (*with* **Tkachenko, A. V.** and **Babichenko, V. H.**) (*eds.*), 19.5-12
Nekotorye kharakteristiki osadkov na opytnoi ploshchadke Eksperimental'nogo meteorologicheskogo poligona [Some characteristics of precipitation at the testing range of the Experimental Meteorological Proving Ground] (*with* **Kureiko, I. A.** and **Shoshin, V. M.**), 19.3-291
Prikner, Karel
Resonance of a plane HM-wave in the lower magnetosphere and Pc pulsations with periods of 5 to 40 seconds occurring during geomagnetic storms, 19.11-581
Primbsch, J. H., *see* **Kahler, S. W.**, 19.4-532
Prinz, Bernd
Statistics of propagation conditions in the light of continuous concentration measurements of gaseous air pollutions (*with* **Stratmann, H.**), 19.7-232
Prior, Edwin J., *see* **Keating, G. M.**, 19.8-252
Pristov, Janko
Neobicajna razporeditev orografskih padavin [Unusual distribution of orographic precipitation], 19.2-293
Privalova, I. V.
Vertikal'naia i meridional'naia tsirkuliatsiia vod Severnoi Atlantiki [Vertical and meridional circulation of waters of the North Atlantic], 19.11-723
Prival'skii, V. E.
O vynuzhdennykh kolebaniiakh urovnia Baltiiskogo moria [Forced sea-level oscillations of the Baltic Sea] [and Eng. transl.], 19.12-687
Probald, Ferenc
Levegoszennyezodes hatasa Budapest globalsugarzasi es homersekleti adataiban [The effect of air pollution as appearing in the data of global radiation and air temperature of Budapest], 19.6-215
Proctor, L. L.
Scaled-model, experimental verification of computed performance of a single rhombic antenna and an array of two rhombic antennas, 19.6-92
Proctor, T. D.
Laser technique for the measurement of aerosols, 19.11-270
Prodi, V., *see* **Vittori Antisari, O.**, 19.2-94; 272
Prokof'ev, O. N., *see* **Matiukhin, V. I.**, 19.6-685
Prokof'ev, V. K.
O nalichii kisloroda v atmosfere Venery. IV [On the presence of oxygen in the atmosphere of Venus, Pt. 4], 19.12-599
Ob opredelenii linii litiia 6103.64Å v spektre solnechnykh piaten [On the determination of the Li line 6103.64Å in sunspot spectra] (*with* **Severnyi, A. B.**), 19.12-632
Prokopenko, I. I.
Temperaturnyi rezhim pochvy pri oroshenii kukuruzy po borozdam i dozhdevaniem [Temperature regime of soil during the irrigation of corn by trenches and by sprinkling], 19.10-802
Prosser, Norman E.
Radar depiction of the Topeka tornado, 19.10-264
Prostiakov, S. M.
Ustoichivost' osnovnykh vidov baricheskikh polei v severnom polusharii [Stability of the basic pressure field types in the Northern Hemisphere], 19.9-417
Protopopov, N. G.
Present-day state of and trends in the development of wind-parameter measurements [Transl. from Russ.], 19.12-90
Protsenko, V. F.
Ob izmerenii plotnosti snezhnogo pokrova [Measurement of the snow cover density], 19.3-318
Protserov, A. V.
Agrometeorologicheskie prognozy: istoriia vozniknoveniia, razvitie, sostoianie i zadachi [Agrometeorological forecasting: history of its origin, development, present state and future], 19.4-164
Pruegel, Heinrich
Wetterfuehrer: Wegweiser zum Verstaendnis des Wetters und der Wettervorhersage [Weather Guide: signposts to understanding of weather and weather forecasting], 19.11-3

Pruitt, W. O.
Energy, momentum and mass transfers above vegetative surfaces (*with others*), 19.5-345
Pruppacher, Hans R.
On the electrical effects that accompany the spontaneous growth of ice in supercooled aqueous solutions (*with* **Steinberger, E. H.** and **Wang, T. L.**), 19.6-376
On the growth of ice crystals in supercooled water and aqueous solution drops, 19.10-401
Some relations between the structure of the ice-solution interface and the free growth rate of ice crystals in supercooled aqueous solutions, 19.8-750
Przybylska, Gabryela, *see* **Stopa, M.,** 19.5-353
Pucciano, Alessio, *see* **Nania, A.,** 19.4-200
Pudovkin, I. M.
O prichinakh tak nazyvaemogo zapadnogo dreifa geomagnitnogo polia [Causes of the so-called western drift of the geomagnetic field] (*with* **Valueva, G. E.**) [and Eng. transl.], 19.5-483
Pueschel, Rudolf F.
Visibility and aerosol size frequency distribution (*with* **Noll, K. E.**), 19.3-141
Puig Cerver, Manuel
Upper-air observations at Gonzalez Videla Station, Antarctica, during 1961, 19.12-78
Pullen, R. A.
Computation of the moisture content of the atmosphere using surface level climatological data, 19.9-472
Puolokainen, T. P., *see* **Bobrov, V. N.,** 19.7-581
Purganskii, V. S.
Dinamika krupnomasshtabnykh atmosfernykh protsessov v ekvatorial'nom raione [Dynamics of large scale atmospheric processes in the equatorial region], 19.8-293
Metod rascheta traektorii dvizheniia konvektivnykh vikhrei bol'shoi intensivnosti [Method of computating trajectories of high intensity convective vortices], 19.3-196
Puri, Prem S., *see* **Davies, R. B.,** 19.7-101
Purton, C. R., *see* **Andrew, B. H.,** 19.11-622
Purvis, John C., *see* **Kish, A. J.,** 19.1-72
Pushkarev, V. F.
Primenenie monomalekuliarnykh plenok dlia umen'sheniia ispareniia s poverkhnosti vodoemov [Application of monomolecular films to retard evaporation from the surface of reservoirs] (*with* **Levchenko, G. P.**), 19.1-283
Pybus, Emmett J.
Polar atmospheric water vapour (*with* **Brown, J. A., Jr.**), 19.12-311
Pyldmaa, V. K.
Iarkost' neba v sumerkakh [Twilight-sky brightness], 19.7-475
See also **Rozenberg, G. V.,** 19.9-553
Pyle, Albin F.
NAFI automatic buoy station, 19.4-95
NOMAD automatic buoy station, 19.4-96
See also **Mottern, R. E.,** 19.4-94
Pyrkin, Iu. G.
O kolebatel'nykh dvizheniiakh vody v pridonnykh sloiakh Chernogo moria [Oscillatory motions near the bed of the Black Sea] (*with* **Pivovarov, A. A.** and **Khundzhua, G. G.**) [and Eng. transl.], 19.12-723

Q

Quadflieg, H., *see* **Naumann, A.,** 19.12-296
Quemerais, Auguste
Spectres d'absorption du benzene et du monochlorobenzene dans l'ultraviolet de 1300 a 2300Å (*with* **Morlais, M.** and **Robin, S.**), 19.6-560
Quenby, John J.
Interaction of cosmic rays with the solar and terrestrial magnetic fields, 19.4-497
Suggestions for magnetospheric experiments, 19.3-515
Time variations of the cosmic ray intensity, 19.10-596
Quenzel, Heinrich
Optische Bestimmung der Kontinuum-Absorption maritimer Luftmassen im Spektralbereich der Sonnenstrahlung [Optical determination of the continuum-absorption of maritime air masses in the spectral region of the solar radiation], 19.1-214
Eine optische Methode zur Bestimmung des Gesamtwasserdampfgehaltes der Atmosphaere [Optical method for determining the total water vapor content of the atmosphere], 19.11-113
Ueber den Einfluss der Dunstschichtung auf die Intensitaet der Himmelsstrahlung im Sonnenvertikal [Effect of the haze layer on the intensity of solar radiation in the Sun's vertical], 19.10-297
Quimpo, Rafael G.
Autocorrelation and spectral analyses in hydrology, 19.6-104
Stochastic analysis of daily river flows, 19.7-834
Quinn, Francis G., *see* **Rowlands, R. O.,** 19.8-722
Quinn, William H.
Computation of incoming solar radiation over the equatorial Pacific (*with* **Burt, W. V.**), 19.11-351
Incoming solar radiation over the tropical Pacific (*with* **Burt, W. V.**), 19.5-214
Weather and solar radiation reception in the equatorial trough (*with* **Burt, W. V.**), 19.3-199
Quiroz, Roderick S.
Height-lag correlations of density with pressure and temperature at rocket altitudes of the stratosphere (*with* **Miller, A. J.**), 19.3-137
Meteorological rocket observations and research in the Soviet Union, 19.1-84
Note on the semi-annual wind variation in the equatorial stratosphere (*with* **Miller, A. J.**), 19.1-270
Quitter, Volker
Dust-measuring technology and the dust atlas from the aspect of the dust-control expert, 19.7-161

R

Race, H. M.
Conference of Commonwealth Meteorologists, 19.6-93

- **Rachner, M.**
  - Eine signifikante Temperaturaenderung und ihre Bedeutung [A significant temperature change and its explanation], 19.11-365
- **Rackham, Oliver**
  - Radiation, transpiration, and growth in a woodland annual, 19.2-197
- **Rackham, T. W.**
  - Color on the Moon, 19.6-591
- **Rackliff, P. G.**
  - Pacific Satellite Meteorology Seminar, 1967, 19.11-595
- **Radd, F. J.**
  - Melting point behaviour of glacier ice (*with* **Oertle, D. H.**), 19.12-774
- **Radhakrishnan, V.**
  - Measurements on the period of the pulsating radio source at 1919 + 21 (*with* **Komesaroff, M. M.** and **Cooke, D. J.**), 19.11-627
- **Radiation, Inc., Melbourne, Fla. Radiation Systems Div.**
  - IRLS integration support equipment, 19.10-649
  - System study for mobile meteorological satellite ground stations, 19.7-130
- **Radiocarbon, New Haven, Conn., Vol. 9, 1967,** 19.10-193
- **Radionov, S. F.**
  - Ob ul'trafioletovykh sumerkakh [Ultraviolet twilight] (*with* **Movchan, B. N.**) [and Eng. transl.], 19.2-212
- **Radke, L. F.**
  - Strength-density relationship for dry snow (*with* **Hobbs, P. V.**), 19.4-354
  - *See also* **Hobbs, P. V.**, 19.4-355
- **Radley, J.**
  - Wind erosion in East Yorkshire (*with* **Simms, C.**), 19.4-298
- **Radok, Uwe,** *see* **Smith, I. L.**, 19.3-327; **Wishart, E. R.**, 19.12-458
- **Radomysl'skaia, N. I.,** *see* **Afinogenov, L. P.**, 19.9-192
- **Radoski, Henry R.**
  - Highly asymmetric MHD resonances: the guided poloidal mode, 19.1-437
- **Radzievskii, V. V.**
  - O geotsentricheskoi skorosti meteornykh tel i proiskhozhdenii mikrometeoritov [Geocentric velocity of meteoric bodies and origin of micrometeorites], 19.11-664
- **Raethjen, Paul**
  - Allgemeine Zirkulation und Zyklogenesis [General circulation and cyclogenesis], 19.6-256
  - Zur Energetik kraeftiger Frontigenesis [Comment by F. Moeller], 19.12-218
- **Raevskii, A. N.**
  - K voprosu o kompleksnykh kharakteristikakh pogody pri obrazovanii gololeda i izmorozi [Complex characteristics of weather during the formation of glaze and frost], 19.1-290
  - K voprosu o vliianii kharaktera rel'efa i lesistosti na raspredelenie gololedno-izmorozevykh otlozhenii [Effect of the character of relief and forestation on the distribution of glaze-frost deposition], 19.2-278
  - *See also* **Maiorskaia, S. V.**, 19.2-181
- **Rafailova, Khaia Khizgilovna,** *see* **Burlutskii, R. F.**, 19.2-2
- **Rafter, T. A.**
  - Preliminary study of variations of oxygen and sulphur isotope in natural sulphates (*with* **Mizutani, Y.**), 19.5-322
- **Raghavan, K.**
  - Climatological study of severe cold waves in India, 19.4-264
  - *See also* **George, P. A.**, 19.7-846
- **Raghavan, S. R.,** *see* **Balakrishna, S.**, 19.5-699
- **Raghava Rao, R.,** *see* **Hines, C. O.**, 19.12-487
- **Raghava Reddi, C.**
  - Anomalous variations in phase path records (*with* **Rao, B. R.**), 19.4-442
- **Raghavendra, V. K.,** *see* **Jagannathan, P.**, 19.7-406
- **Raghini, A.,** *see* **Falciani, R.**, 19.9-707
- **Ragotzkie, R. A.,** *see* **Krishna Menon, V.**, 19.3-206
- **Ragozina, V. S.**
  - Peculiarities of synoptic processes which cause large air temperature anomalies in October in the Chukchi Sea [Transl. from Russ.], 19.11-366
- **Rahau, Lidia**
  - Elemente noi de prognoza pe durata mijlocie pentru bazinul inferior al Dunarii, in anotimpul rece [The latest clues in extended forecasting for the low Danube area during the cold season] (*with others*), 19.12-134
  - Stadiul actual al prevederii de lunga durata a timpului [The present stage of long range weather forecasting] (*with* **Stoica, C.** and **Diaconescu, G.**), 19.1-124
- **Rahe, Jurgen**
  - Structure of tail rays in the coma region of comets, 19.10-693
- **Rahmatullah, M.**
  - Fluctuations in stratospheric and mesospheric winds at Sonmiani during the IQSY (*with* **Jafri, S. A.**), 19.8-394
  - Quasi-biennial oscillation and atmosphere structure in the stratosphere and mesosphere, 19.8-360
- **Rai, D. B.**
  - Ionospheric irregularities caused by acoustic waves (*with* **Kisabeth, J. L.**), 19.4-443
  - Total electron content and its variations in the auroral-zone ionosphere during winter (*with* **Hook, J. L.**), 19.2-378
- **Rai, I. A.**
  - Navodneniia v nizov'e Dunaia [Floods in the lower reaches of the Danube], 19.5-772
- **Raikes, Robert**
  - Water, weather and prehistory, 19.6-14
- **Raikova, Blaga**
  - Izsledvaniia vurkhu khimicheskiia sustav na gruntovite vodi v Iztochno Sofiisko pole [Investigations on the chemical composition of ground waters in the eastern part of the Sofia Plain], 19.8-785
- **Rainbird, A. F.**
  - Methods of estimating areal average precipitation, 19.7-398
- **Rainer, J. N.,** *see* **Soons, J. M.**, 19.12-376

Rainnie, W. O., Jr., *see* **Burke, F. P., Jr.,** 19.9-747

Raj, Hem
  Forecasting of rainfall of 30 mm or more over Bombay (*with* **Billa, H. S.**), 19.4-152

Raja, J.
  Resistance thermometer for measuring air temperatures (*with* **Sankaranarayanan, P. E.**), 19.6-146

Raja Rao, K. S., *see* **Rao, K. N.,** 19.6-498

Rajan, K. K., *see* **Sachdev, R. N.,** 19.2-104

Rajaram, Girija
  North-south asymmetry in storm time variation of f_oF2 (*with* **Rastogi, R. G.**), 19.7-530

Rajman, Jan, *see* **Poland. Panstwowy Instytut Hydrologiczno-Meteorologiczny,** 19.11-74

Raju, P. T. Sanyasi, *see* **Sanyasi Raju, P. T.**

Rak, Juraj
  Katastrofalna vichrica na Slovensku november 1964 [Disastrous gale of Nov. 1964 in Slovakia], 19.10-366

Rakestraw, N. W.
  Life and activities of a physical oceanographer, John C. Swallow, 19.3-27

Rakhi, M., *see* **Ross, Iu.,** 19.10-57

Rakhimzhanova, G. A., *see* **Golokova, R. G.,** 19.6-718

Rakhmanov, V. V.
  Kak veliko isparenie v oblastiakh vechnozelenykh tropicheskikh lesov? [What is the amount of evaporation from evergreen tropical forests?], 19.9-478

Rakipova, L. R.
  Heat regime of atmosphere in the region of mesopause, 19.9-284
  K voprosu o vzaimodeistvii mezhdu verkhnimi i nizhnimi sloiami atmosfery [Interaction between the higher and lower layers of the atmosphere], 19.2-147
  O statisticheskikh sviaziakh mezhdu ukhodiashchim izlucheniem i meteorologicheskimi parametrami atmosfery [Statistical relations between outgoing radiation and meteorological parameters of the atmosphere] [and Eng. transl.], 19.1-218
  Vsesoiuznaia konferentsiia po nauchnym itogam Mezhdunarodnogo goda spokoinogo Solntsa [All-Union conference on the scientific results of the International Year of the Quiet Sun], 19.5-86

Rakoczi, Ferenc
  Nyomasi mezo jellemzoi es a csapadek kozotti kapcsolat [Relationship between pressure fields and precipitation], 19.9-420

Rakoczi, Magdolna
  Csapadekmentes es kiscsapadeku napok nehany statisztikai jellemzoje [Some statistical investigations concerning days without precipitation or with small amounts of precipitation], 19.7-415

Rakosi, D., *see* **Schroeder, M.,** 19.12-809

Rall, D. L.
  Taking meaningful temperature measurements (*with* **Hornbaker, D. R.**), 19.6-98

Ralston, C. W., *see* **Bonner, F. T.,** 19.8-51; **Moehring, D. M.,** 19.5-54

Ramachandra Rao, B., *see* **Rao, B. Ramachandra**

Ramachandran, G.
  Rainfall distribution in India in relation to latitude, longitude and elevation, 19.4-343

Ramachandran, S., *see* **Srivastava, G. P.,** 19.7-156

Ramadurai, S., *see* **Appa Rao, M. V. K.,** 19.4-479

Ramage, C. S.
  Role of a tropical "maritime continent" in the atmospheric circulation, 19.10-251

Raman, P. K.
  Empirical relationship between average rainfall and areal extent for major rainstorms of Bihar and Madhya Pradesh (*with* **Chhabra, B. M.**), 19.7-418
  Estimation of probable maximum point rainfall by log-probability method (*with* **Mukerji, T. K.**), 19.6-401
  Study of major rainstorms of Bihar and Madhya Pradesh for evaluation of design storm (*with* **Dhar, O. N.**), 19.6-408
  See also **George, P. A.,** 19.7-846

Ramana Murthy, Bh. V.
  Sources of origin and meteorological importance of hygroscopic and ice-forming nuclei (*with* **Roy, A. K.** and **Kapoor, R. K.**), 19.6-378
  Weather modification in India (*with* **Biswas, K. R.**), 19.11-243
  See also **Khemani, L. T.,** 19.3-349

Ramanadham, R., *see* **Viswanadham, Y.,** 19.9-624

Ramanathan, K. R.
  Introductory note on atmospheric ozone observations in IGY and IGC, 19.5-16

Ramaswamy, C.
  Monsoon over the Indus Valley during the Harappan period, 19.9-151

Ramaty, Reuven
  Influence of geomagnetic shielding on C^{14} production and content, 19.3-152
  See also **Lingenfelter, R. E.,** 19.11-681

Rambaev, V. F., *see* **Volostnyzh, B. V.,** 19.1-546

Ramenskii, L. A.
  K voprosu o klimaticheskikh resursakh raiona Odessy [Climatic resources of the Odessa area], 19.2-141

Ramm, C. A.
  Development of high energy neutrino experiments at CERN, 19.9-625

Ramseier, Rene O.
  Self-diffusion in ice monocrystals, 19.4-727
  Sintering process in snow (*with* **Keeler, C. M.**), 19.7-436
  Sintering of snow as a function of temperature (*with* **Sander, G. W.**), 19.3-324

Ramsey, B. L.
  Montana LASA lightning activity for 1966, 19.10-504

Ramsey, Harry E., *see* **Smith, S. F.,** 19.9-703

Randall, R. E.
  Measurements of aerial salt on the coast of Barbados, 19.10-403

Randhawa, Jagir S.
  Mesospheric ozone measurements during a solar eclipse, 19.7-247

Raney, F. C.
Water and soil temperature (*with* **Mihara, Y.**), 19.7-332
Raney, W. A.
Irrigation problems of humid-temperate and tropical regions, 19.7-420
Rangarajan, R., *see* **Majumdar, K. C.,** 19.6-407
Rangaswamy, S., *see* **Beynon, W. J. G.,** 19.12-467
Rannie, W. F., *see* **Oestrem, G.,** 19.2-306
Rantz, S. E.
Surface-water hydrology of California Coastal Basins between San Francisco Bay and Eel River (*with* **Thompson, T. H.**), 19.2-593
See also **Hofmann, W.,** 19.12-372
Ranzi, I.
Effects of propagation on the measurement of distance, angle of arrival and Doppler effect in Earth-space links, 19.9-30
Rao, B. C. Syamala, *see* **Syamala Rao, B. C.**
Rao, B. Ramachandra, *see* **Jagath Kumar, V. R.,** 19.5-504; **Jogulu, C.,** 19.11-539; **Kesava Rao, P. S.,** 19.4-428; **Raghava Reddi, C.,** 19.4-442
Rao, C. R. Nagaraja, *see* **Nagaraja Rao, C. R.**
Rao, D. R. K.
Seasonal change in the position of the equatorial electrojet in Indian region, 19.7-354
See also **Rao, K. N.,** 19.6-498
Rao, D. V. L. N., *see* **Banerji, S.,** 19.8-173
Rao, E. Bhagiratha, *see* **Bhagiratha Rao, E.**
Rao, K. N.
Sunspot cycle and seasonal variations in the position and intensity of the equatorial electrojet in the Indian region (*with* **Rao, D. R. K.** and **Raja Rao, K. S.**), 19.6-498
Rao, K. S. Raja, *see* **Raja Rao, K. S.**
Rao, M. Mukunda, *see* **Mukunda Rao, M.**
Rao, M. R., *see* **Chopra, S. D.,** 19.8-185
Rao, M. S. V.
Results of meteorological rocket soundings at an equatorial station, 19.6-131
Rao, M. Sankar, *see* **Sankar Rao, M.**
Rao, M. V. K. Appa, *see* **Appa Rao, M. V. K.**
Rao, Manoranjan
Corona currents after the return stroke and the emission of ELF waves in a lightning flash to Earth [Comments by author], 19.5-387
Rao, N. Narayana, *see* **Narayana Rao, N.**
Rao, P. Balarama, *see* **Balarama Rao, P.**
Rao, P. Krishna, *see* **Krishna Rao, P.**
Rao, P. S. Kesava, *see* **Kesava Rao, P. S.**
Rao, R. Raghava, *see* **Raghava Rao, R.**
Rao, R. U. M., *see* **Verma, R. K.,** 19.10-603
Rao, S. S.
Asymptotic solution of waves in inhomogeneous plasma with longitudinal magnetic field (*with* **Unz, H.**), 19.5-521
Rao, U. R.
Cosmic-ray propagation processes, Pt. 2 (*with* **McCracken, K. G.** and **Bukata, R. P.**), 19.2-438; Pt. 3, 19.2-439
See also **McCracken, K. G.,** 19.2-437; 19.12-519
Rapolla, A., *see* **Gasparini, P.,** 19.9-298
Rapota, S. N., *see* **Makhover, Z. M.,** 19.6-226
Raschke, Ehrhard
Quasi-global analysis of the mean relativ humidity of the upper troposphere, 19.6-361
Radiation balance of the Earth-atmosphere system from radiation measurements of th Nimbus II meteorological satellite, 19.11-33
Raskin, V. F.
Chuvstvitel'nost' polidispersnoi indikatrisy forme krivoi raspredeleniia [Sensitivity o polydisperse indices to the shape of the distribution curve], 19.1-334
Zavisimost' indikatrisy rasseianii sootvetstvuiushchei gamma-raspredeleniiu, o parametrov raspredeleniia [Dependence of th scattering index corresponding to gamma distribution on distribution parameters], 19.1-33
See also **Shifrin, K. S.,** 19.1-336
Rasmussen, J. F.
Phase comparison of VLF signals propagated ove adjacent paths (*with* **Lewis, E. A.**), 19.10-54
Rasool, S. I.
Evolution of the Earth's atmosphere, 19.2-129
See also **Jastrow, R.,** 19.8-660
Raspletina, G. F.
Gidrokhimiia Ladozhskogo ozera [Hydrochemistry of Lake Ladoga] (*with* **Ul'ianova, D Z.** and **Sherman, E. E.**), 19.4-746
Raspopov, O. M.
Nekotorye rezul'taty issledovanii mikropul'satsi tipa Pi 1 v magnitosopriazhennykh tochkak [Some results of investigations of Pi 1 type a magnetically conjugate points] (*with others* [and Eng. transl.], 19.5-497
O povedenii pul'satsii geomagnitnogo polia tip Pi 2 v magnitosopriazhennykh tochkak [Behavior of geomagnetic field pulsations of 2 type at magnetically conjugate points] (*wit others*) [and Eng. transl.], 19.5-498
Rastogi, R. G.
Forenoon bite-out of F2 layer ionisations a tropical latitudes (*with* **Sanatani, S.**), 19.10-54
Luni-solar tidal oscillations in horizontal magnetic intensity H and in $f_{O}F2$ at Huancayo during low solar activity period, 19.8-572
See also **Deshpande, M. R.,** 19.6-484, 485 **Rajaram, G.,** 19.7-530; **Sharma, R. P.** 19.4-448; 19.7-533
Rasulkulov, M. S., *see* **Azimov, S. A.,** 19.3-420
Rat, Tereza, *see* **Stancescu, I.,** 19.12-339
Ratcliffe, R. A. S.
Forecasting wet spells in southeast England (*wit* **Parker, A. E.**), 19.5-150
Further criteria concerning fine spells in southeast England during the period May to Oct (*with* **Collison, P.**), 19.1-119
Ratnam, V.
Floods due to storm-surges associated wit cyclonic storms (*with* **Nayar, P. S.**), 19.7-750
Rainfall study in association with storms an depressions (*with* **Sarker, R. P.**), 19.7-399
Ratner, N. S., *see* **Amus'ia, A. Z.,** 19.4-751
Rauner, Iu. L.
Radiatsionnyi balans i struktura isparenii lugovostepnoi rastitel'nosti [Radiation balanc and evaporation structure in meadow-stepp

vegetation] (*with* **Anan'eva, L. M.**), 19.5-212
Radiatsionnyi i teplovoi balans osnovnykh estestvennykh landshaftov lesostepi [Radiational and heat balance of the main natural forest steppe landscapes] (*with* **Anan'eva, L. M.** and **Rudnev, N. I.**), 19.12-220

Rawer, K.
Ionosphere: drift measurements, 19.8-526
Noise produced by terrestrial sources in the near-Earth space, 19.10-216
Radio-observations of the ionosphere (*with* **Suchy, K.**), 19.5-9
See also **Argence, E.**, 19.11-527; **Harnischmacher, E.**, 19.11-538; 19.12-483; **Kotadia, K. M.**, 19.10-539

Rawhouser, Robert
Methods of improving radio-wave propagation through the plasma sheath, 19.10-217

Rawlings, G. C. I.
Lunar transient phenomena: quasi-Alpengluehn or twilight-color theory, 19.5-360

Ray, Ernest C.
Improved re-entrant cosmic-ray albedo calculation, 19.3-436

Ray, H. A., *see* **Bailey, J. F.**, 19.4-767
Rayhrer, B., *see* **Dulk, G.**, 19.4-570
Raymer, W. G., *see* **Gould, R. W. E.**, 19.12-289
Raymond, Frederick W., *see* **Kronke, R. H.**, 19.8-339
Raytheon Co., Equipment Div., Wayland, Mass., *see* **Berg, D. S.**, 19.12-94

Razumikhina, K. V.
Naturnoe issledovanie i raschet transporta nanosov [Field investigations and calculations of alluvium transport], 19.5-759

Razumova, L. A.
Reaktsiia zernovykh kul'tur na zasukhu i sukhovei i raiony naibol'shei effektivnosti orosheniia [Reaction of grain crops to drought and sukhovei, and regions of greatest effectiveness of irrigation] (*with* **Meshchaninova, N. B.**), 19.4-44

Razvan, Ernest
Disiparea energiei prin socul vinelor de fluid cu aplicatii la baraje [Dissipation of energy by jet impact with applications to dams], 19.7-807

Rea, D. G.
On the composition of the Venus clouds (*with* **O'Leary, B. T.**), 19.7-669

Read, Robert G.
Evaporative power in the tropical forest of the Panama Canal Zone, 19.9-479

Reames, Donald V.
Nuclear cross sections required in studies of cosmic rays, 19.11-558

Reap, Ronald M.
Lagrangian prediction of temperature and moisture fields, 19.12-120

Reasoner, D. L.
Detection of alpha particles in auroral phenomena (*with* **Eather, R. H.** and **O'Brien, B. J.**), 19.12-516

Reay, A., *see* **Harris, P. G.**, 19.10-622
Reber, E. E., *see* **Carter, C. J.**, 19.9-256

Reber, Grote
Atmospheric pressure oscillations in Tasmania, 19.8-369

Record, F. A., *see* **Cramer, H. E.**, 19.1-246
Reddi, C. Raghava, *see* **Raghava Reddi, C.**
Reddy, B. M., *see* **Brace, L. H.**, 19.9-575
Reddy, C. Abhirama, *see* **Abhirama Reddy, C.**

Reddy, Robert J.
In-flight deployment of long-train instrumentation packages from high-altitude balloons, 19.5-101
See also **Doherty, F. X.**, 19.5-94; 19.10-118

Redfield, Alfred C.
Postglacial change in sea level in the western North Atlantic Ocean, 19.5-642

Redkar, R. T., *see* **Gokhale, G. S.**, 19.4-218

Reed, Allan H.
Effect of optical polarization on reflection spectra (*with* **Yeager, E.**), 19.10-495

Reed, Edith I.
Night measurement of mesospheric ozone by observations of ultraviolet airglow, 19.8-266

Reed, John C., Jr.
Observations on the Teton Glacier, Grand Teton National Park, Wyoming, 1965 and 1966, 19.1-582

Reed, K. C., *see* **King, J. W.**, 19.3-391; 19.7-517, 519

Reed, R. K.
New feature of the East Australian current (*with others*), 19.11-732

Reed, Richard J.
Structure and dynamics of the 26-month oscillation, 19.8-459
See also **Gudiksen, P. H.**, 19.12-199

Reed, Sherwood C., *see* **Mellor, M.**, 19.10-774

Reedy, William W.
Making weather modification a working partner in water resources development (*with* **Hurley, P. A.**), 19.11-244

Rees, M. H.
Ion and electron heating by auroral electric fields (*with* **Walker, J. C. G.**), 19.10-549
Radiation from atomic hydrogen in aurorae, 19.3-412
See also **Walker, J. C. G.**, 19.9-615

Rees, Martin J.
Studies in radio source structure, Pt. 3, 19.7-651
See also **Goldreich, P.**, 19.9-665

Reese, David E.
Venera 4 probes atmosphere of Venus (*with* **Swan, P. R.**), 19.10-680

Reeve, Ronald C.
Salt problems in relation to irrigation (*with* **Fireman, M.**), 19.7-859

Regentovskii, V. S.
K voprosu o ledovitosti Azovskogo moriaiusloviiakh plavaniia po trasse Kerch'-Zhdanov zimoi 1962-63 i 1963-64 gg [Ice conditions of the Sea of Azov and navigating conditions along the Kerch - Zhdanov route during the winters to 1962-63 and 1963-64], 19.6-705

Regula, Herbert
Einige Flugzeug- und Satelliten-Aufnahmen [Some photographs made from airplanes and from satellites], 19.6-383

Rehnberg, John D.
Earth-based, infrared lunar mapper for thermal and composition studies (*with* **Yoder, J. R.** and **Hunt, G. R.**), 19.1-480

Reich, Brian M., *see* **Hiemstra, L. A. V.,** 19.3-108

Reich, Hanns
World from above, 19.10-27

Reichelderfer, F. W.
Ross Gunn: the scientist and the individual, 19.5-33

Reid, George C.
Evidence for nonuniformity of solar-proton precipitation over the polar caps (*with* **Sauer, H. H.**), 19.1-221
Formation of small-scale irregularities in the ionosphere, 19.9-599
Ionospheric disturbances, 19.11-543
ITSA Antarctic riometer program (*with* **Hargreaves, J. K.** and **Sauer, H. H.**), 19.4-444

Reid, John H.
Solar flares and magnetic fields, 19.5-596

Reid, Joseph L., Jr.
Detection of a deep boundary current in the Western South Pacific (*with others*), 19.9-781
Intermediate and deep circulation, 19.4-650

Reidy, W. P.
Low-energy electron spectra in three visible auroras (*with* **Hegblom, E. R.** and **Ulwick, J. C.**), 19.9-618
Study of X-ray images of the Sun at solar minimum (*with others*), 19.9-666

Reifferscheid, Hellmut
Ein Beitrag zur Kennzeichnung der Bodeninversionen im Rahmen der Reinhaltung der Luft [Characterization of ground inversions in connection with air pollution control], 19.6-216

Reifsnyder, William E.
Radiation geometry in the measurement and interpretation of radiation balance, 19.1-103
See also **Waggoner, P. E.,** 19.9-540

Reilly, Alfred E.
Influence of radio brightness temperature on solar flare prediction (*with* **Enger, I.**), 19.10-696

Reilly, J. P., *see* **Nathanson, F. E.,** 19.6-110

Rein, Frantisek
Makro-meso a mikrometeorologicke site [Macro-meso and micrometeorological networks], 19.6-111

Reines, F.
High energy neutrinos underground: status of the Case-Wits Irvine experiment and future prospect, 19.8-563

Reinet, Ia. Iu.
Some requirements concerning condition for the measurement of atmospheric ion spectra by the aspiration method [Transl. from Russ.], 19.8-159

Reinhartova, Jarmila
Maximalni denni uhrny srazek v Cechach a na Morave [Maximum diurnal precipitation in Bohemia and Moravia], 19.4-346

Reiniger, R. F.
Method of interpolation with application to oceanographic data (*with* **Ross, C. K.**), 19.5-617; 19.9-733

Reininger, E., *see* **Barbe, G. D.,** 19.8-389; 19.9-271

Reinking, Roger F.
Advection of artificial ice nuclei to mountain clouds from ground-based generators (*with* **Grant, L. O.**), 19.11-245
Insolation reduction by contrails, 19.10-408

Reisig, Gerhard H. R.
[Comments on] M. Armendariz and L. J. Rider: Wind shear for small thickness layers, 19.2-246
See also **Essenwanger, O. M.,** 19.3-232

Reisman, Elias
Comparison of fog scattered laser and monochromatic incoherent light (*with* **Cumming, G.** and **Bartky, C.**), 19.5-361

Reiter, Elmar R.
Atmospheric structure and clear-air turbulence (*with* **Burns, A.**), 19.7-340
Behavior of jet streams in potential fallout situations, 19.12-306
Jet streams: how do they affect our weather? 19.1-24
Measurement of air motions by aircraft, 19.3-74
Richardson's number in the free atmosphere (*with* **Lester, P. F.**), 19.12-278
See also **Dirks, R. A.,** 19.2-260; **Stephens, J. J.,** 19.2-239

Reiter, Reinhold
Atmospheric aerosols between 700 and 3000 m above sea level: a study of the effects of atmospheric fine structure characteristics on the vertical distribution of aerosols (*with* **Jaffe, A.**), 19.2-142
Further experimental evidence for the importance, with respect to thunderstorm electrification, of NO3 ions contained in precipitation, Pt. 2, 19.7-483
Results of investigations on precipitation and cloud electricity based on 15 years of observation, 19.12-459
Verfolgung der Vertikalbewegung zwischen 3000 und 700 m NN von Fallout-Schwaden aus den chinesischen Atomwaffentests des Jahres 1966 [Tracking of vertical movement between 3000 and 700 m of fallout clouds from the Chinese atomic weapon tests of 1966], 19.9-300

Reitz, R. J., *see* **Corn, M.,** 19.10-194

Reitzel, J. S., *see* **Gough, D. I.,** 19.5-463

Renan, J. P., *see* **Gautier, D.,** 19.12-616

Renard, C.
Some results from VLF rocket experiments, 19.10-550

Renard, K. G., *see* **Wallace, D. E.,** 19.10-786

Renard, Robert J.
Forecasting the motion of tropical cyclones using a numerically derived steering current and its bias, 19.12-138

Rense, W. A., *see* **Bruner, E. C., Jr.,** 19.6-625

Repnev, A. I.
Interpretation of data recorded by a measuring

device moving at high speed in upper air layers [Transl. from Russ.], 19.12-83
Reaktsiia dissotsiativnoi rekombinatsii, ionnomolekuliarnye reaktsii i obuslovlennye imi dopolnitel'nye chleny k uravneniiam gidrodinamiki dlia verkhnei atmosfery [Reaction of dissociative recombination, ion-molecular reactions, and resultant additional terms to hydrodynamic equations for the upper atmosphere], 19.1-157
Requardt, Gustav J., *see* **Garbrecht, G.,** 19.10-41
Reshetov, G. D.
Konvektivnaia oblachnost' na frontakh [Convective cloudiness on fronts], 19.6-283
Reshetov, V. D.
O kolebatel'nykh svoistvakh atmosfery [Oscillatory properties of the atmosphere], 19.1-186
Statisticheskoe issledovanie evoliutsii nekotorykh parametrov atmosfernoi tsirkuliatsii [Statistical study of the evolution of some parameters of atmospheric circulation], 19.5-198
Vertikal'nye dvizheniia i pole plotnosti v atmosfere [Vertical motions and density field in the atmosphere], 19.5-269
Reshetova, O. V.
O sutochnom khode shirotnogo i meridional'nogo komponentov vetra v atmosfere [Diurnal variations of latitudinal and meridional wind components in the atmosphere], 19.5-267
Reuben, B.
Unusual and expensive sunshine recorder, 19.8-117
Reuter, H., *see* **Pichler, H.,** 19.5-192
Revah, Isaac
Mise en evidence experimentale d'oscillations de courte periode des vents ionospheriques (*with* **Spizzichino, A.**), 19.12-506
Reynolds, Donald K.
University of Washington's Antarctic research program, 1966-1967 (*with* **Swarm, H. M.** and **Peden, I. C.**), 19.4-557
Reynolds, G.
Automatic raingauges in North Scotland, 19.8-132
Cooking the data: a weatherman's guide to statistics, Pt. 3, 19.10-80
Reynolds, M. A.
Fallout from the Chinese nuclear explosion of June 17, 1967 (*with others*), 19.4-347
Reynolds, Ralph D.
Investigation of a complex mountain wave situation (*with* **Lamberth, R. L.** and **Wurtele, M. G.**), 19.9-469
See also **Glass, R. I.,** 19.3-92
Reznik, E. E.
O poleznosti magnitnogo gradientometra [Usefulness of a magnetic gradiometer] [and Eng. transl.], 19.5-461
Rhea, J. Owen
Attempt to explain variations of seasonal mesoscale target-to-control area precipitation ratios, 19.11-246
Rhoades, W. C.
Effects of meteorological factors on the biology and control of the imported fire ant (*with* **Davis, D. R.**), 19.1-328
Riazanov, V. A.
Problema sanitarnoi okhrany atmosfernogo vozdukha v ramkakh Soveta Ekonomicheskoi Vzaimopomoshchi [The problem of the sanitary protection of the atmosphere within the framework of the Council of Economic Mutual Assistance] (*with* **Gofmekler, V. A.**) [and Eng. transl.], 19.5-172
Riazanova, L. A.
O proiavleniiakh kvazidvukhletnei tsiklichnosti v stratosfernykh protsessakh vysokikh i srednikh shirot [Appearance of quasi-biennial oscillations in the stratospheric processes of high and low latitudes], 19.8-361
O sezonnykh perestroikakh i potepleniiakh v poliarnoi stratosfere severnogo polushariia [Seasonal change over and warmings in the polar stratosphere of the Northern Hemisphere], 19.10-205
O termicheskoi strukture i osobennostiakh dvizheniia stratosfernykh baricheskikh tsentrov [Thermal structure and the characteristics of motion of stratospheric pressure centers] (*with* **Shcherba, I. A.**), 19.12-267
O vliianii orografii i termicheskoi neodnorodnosti podstilaiushchei poverkhnosti na strukturu poliarnogo zimnego vikhria v stratosfere [Influence of orography and thermal heterogeneity of the underlying surface on the structure of a polar winter vortex in the stratosphere] (*with* **Trubnikov, B. N.** and **Shcherba, I. A.**), 19.10-206
See also **Geokhlanian, T. Kh.,** 19.10-308
Riblet, J.
Dispositif permettant d'etablir "au bureau," a partir de la carte topographique, le "diagramme d'ensoleillement" d'une station alpine d'acces difficile, 19.5-215
Ricardi, Leon J.
Space communications propagation studies at Lincoln Laboratory, 19.10-218
Rice, P. L.
Tropospheric radio transmission loss over irregular terrain: a method for calculating reference values (*with* **Longley, A. G.**), 19.9-114
See also **Longley, A. G.,** 19.12-53
Rich, John C., *see* **Gingerich, O.,** 19.7-698
Richards, D. J. W.
Wind loading investigation into the Charge Hall of Dungeness 'B' Nuclear Power Station (*with* **Taylor, J. E.**), 19.12-300
Richards, Francis A.
Chemical oceanography, 19.4-635
See also **Atkinson, L. P.,** 19.6-664
Richards, K. G., *see* **Selfridge, S. W.,** 19.10-725
Richards, Merwin E.
Energy budget of the stratosphere during 1965, 19.10-243
Richards, P. A.
Comparison between the weather at Bird Island and King Edward Point, South Georgia (*with* **Tickell, W. L. N.**), 19.11-126
Richards, S. J., *see* **Holmes, J. W.,** 19.7-93

Richards, T. L.
Introduction to the International Field Year for the Great Lakes, 19.4-749
Richardson, A. S., Jr.
Windamper: wind tunnel test and practical applications, 19.11-403
Richardson, Donald
Water resources of King County, Washington (*with* **Bingham, J. W.** and **Madison, R. J.**), 19.7-825
Richardson, E. Arlo, *see* **Ashcroft, G. L.,** 19.11-506; **Cox, L. M.,** 19.6-42
Richardson, Everett V.
Measurement of turbulence in water (*with* **McQuivey, R. A.**), 19.8-758
Richardson, Lewis Fry
Weather prediction by numerical process, 19.2-8
Richmond, Benjamin S.
Oceanographic data exchange, 1967 (*with* **Moffatt, R. E.**), 19.11-690
See also **World Data Center A [for] Oceanography, Wash., D. C.,** 19.3-608
Richmond, J. C., *see* **Kneissl, G. J.,** 19.12-98
Richter, Johann
Die Windverhaeltnisse bei Feuerschiffs-Station Elbe 1 in den Jahren 1924-1961, Teil 1 [Wind conditions at the lightship station, Elbe 1, 1924-1961, Pt. 1], 19.11-127
Richter, Johannes
Bestimmung des Haufigkeitsverhaeltnisses C^{12}/C^{13} in der Sonnenatmosphaere [Determination of the C-12/C-13 abundance ratio in the Sun's atmosphere] (*with* **Tonner, K. F.**), 19.1-506
Richter, Karl, *see* **Carlson, H.,** 19.10-377
Richter, Vaclav, *see* **Sochorec, R.,** 19.3-722
Rickard, W. H.
Seasonal soil moisture patterns in adjacent greasewood and sagebrush stands, 19.6-432
Rickel, A. Brewster, *see* **Lally, V. E.,** 19.9-164
Riddihough, R. P.
Daily variation of total magnetic field over the British Isles, 19.3-464
Rider, G. C.
Two crossing fronts on radar (*with* **Simpson, J. E.**), 19.9-144
Rider, Laurence J.
Comparison of simultaneous wind profiles derived from smooth and roughened spheres (*with* **Armendariz, M.**), 19.7-108
See also **Armendariz, M.,** 19.2-246
Rider, N. E.
Development of a land-based automatic weather station in the United Kingdom, 19.8-146
See also **Bird, L. G.,** 19.8-87
Riehl, Herbert
Southeast Asia Monsoon Study, 19.1-261
Varying structure of waves in the Easterlies, 19.3-180
Riesbol, H. S.
Surface water supply and development (*with others*), 19.7-826
Riggs, L. P.
Survey of the possibility of short range radio predictions from meteorological data (*with* **Samson, C. A.**), 19.7-285
Rigler, F. H.
Further observations inconsistent with the hypothesis that the molybdenum blue method measures orthophosphate in lake water, 19.9-819
Rignot, D., *see* **Duartre, F.,** 19.8-312
Rigutti, M., *see* **Falchi, A.,** 19.1-508; **Falciani, R.,** 19.9-707
Riis, Eyvind, *see* **Hoiland, E.,** 19.12-180
Riives, V. G.
Fotograficheskaia fotometriia komet [Photographic photometry of comets], 19.3-583
Rikitake, T.
Theoretical magnetograms for s.s.c. when the ocean effect is considered, 19.12-538
Riley, J. P., *see* **Murray, C. N.,** 19.12-706
Rinehart, Ronald E.
Use of radar to delineate surface hail areas in weather modification experiments (*with* **Staggs, D. W.**), 19.11-120
Rink, J.
Erfahrungen mit hypsometrischen Luftdruckmessungen in grossen Hoehen bei Radiosondenaufstiegen [Experience with hypsometer measurements of atmospheric pressure carried out at great heights in connection with radiosonde ascents], 19.11-147
Zwei einfache Druckmessgeraete fuer die Barometereichung aerologischer Instrumente [Two simple pressure measuring devices for barometer calibration of aerological instruments], 19.5-127
Ripley, E. A.
Effects of shade and shelter on the microclimate of tea, 19.5-51
Rishbeth, H.
Effect of winds on the ionospheric F1-peak, Pt. 2, 19.6-499
On explaining the behavior of the ionospheric F region, 19.9-600
Risk, G. F., *see* **Hochstein, M. P.,** 19.4-356
Risley, Clifford, Jr.
Radioactivity in Lake Erie and its tributaries (*with* **Abbott, W. L.**), 19.3-688
Ritchie, George Stephen
The Admiralty Chart: British naval hydrography in the nineteenth century, 19.7-713
Rivault, R.
Sifflements radioelectriques, 19.9-30
Rivin, G. S., *see* **Marchuk, G. I.,** 19.5-145
Rivosecchi, Italo, *see* **Montalto, M.,** 19.1-189
Rixon, A. J.
Soil fertility changes in a red-brown earth under irrigated pastures, Pt. 3 (*with* **Bridge, B. J.**), 19.5-775
Roach, F. E.
Airglow research, 19.4-28
Photometric observations of the airglow during the IQSY, 19.8-548
Worldwide morphology of the atomic oxygen nightglows (*with* **Smith, L. L.**), 19.2-416

Roach, W. T.
  Some aircraft observations of fluxes of solar radiation in the atmosphere, 19.5-16
Roark, T. P., *see* **Greenberg, J. M.,** 19.11-40
Robb, David C. N.
  Consumptive use estimates from solar radiation and temperature, 19.8-412
Robb, J. D., *see* **Hill, E. L.,** 19.8-486
Roberson, F. I., *see* **Scott, R. F.,** 19.11-641
Robert, Andre J.
  Integration of the primitive meteorological equations in terms of spherical harmonics, 19.3-121
  Integration of a spectral barotropic model from global 500-mb charts, 19.6-167
  Radiometrie en ondes milimetriques, 19.9-30
Roberti, Roberto
  Situazione meteorologica dell'alluvione di Acqui del 16 ottobre 1966, 19.1-304
Roberts, Brian, *see* **Armstrong, T.,** 19.2-47
Roberts, Charles F.
  Recent trends in the accuracy and quality of Weather Bureau forecasting service (*with* **Porter, J. M.**), 19.6-183
  Report on the forecast performance of selected Weather Bureau offices for 1966-1967 (*with* **Porter, J. M.** and **Cobb, G. F.**), 19.7-188
Roberts, Charles L., Jr.
  Meteorological research in Antarctica, 19.4-54
Roberts, Harry V.
  On the meaning of the probability of rain, 19.12-124
Roberts, J. A.
  Interim technical report on an experimental and theoretical study of the marine and continental climates of the Point Conception to Morro Bay region of California, 19.7-457
  Observations of the beaming of Jupiter's radio emission at 620 and 2650 Mc/sec (*with* **Ekers, R. D.**), 19.7-649
Roberts, P. H.
  Frozen fields, core motions and the secular variation, 19.4-510
  See also **Gibson, R. D.,** 19.3-452
Roberts, Wayne A., *see* **Fulmer, C. V.,** 19.6-594
Roberts, Wyndham J.
  Lake evaporation in Illinois (*with* **Stall, J. B.**), 19.1-284
Robertson, Andrew, *see* **Powers, C. F.,** 19.6-754
Robertson, Charles E.
  Evidence of pulsed seeding as measured in the air and snow, 19.11-247
Robertson, George W.
  Astrometeorological estimator for estimating time when Sun is at any elevation, elapsed time between the same elevations in the morning and afternoon, and hourly and daily values of solar energy, Qo (*with* **Russelo, D. A.**), 19.10-285
  See also **Baier, W.,** 19.3-354; 19.10-54
Robertson, J. B.
  Photometry of an iron artificial meteor reentering at 11 kilometers per second (*with* **Ayers, W. G.**), 19.9-694
Robertson, R. L.
  Guidance, flight mechanics and trajectory optimization, Vol. 16, 19.11-596
Robin, G. de Q.
  Surface topography of ice sheets, 19.2-589
  See also **International Geophysical Year, 1957/1958,** 19.12-22
Robin, Stephane, *see* **Quemerais, A.,** 19.6-560
Robins, J. S.
  Reducing irrigation requirements, 19.7-375
  See also **Ekern, P. C., Jr.,** 19.7-369
Robinson, A. R.
  Theory of free inertial currents, Pt. 1 (*with* **Niiler, P. P.**), 19.5-675
  See also **Niiler, P. P.,** 19.6-681
Robinson, B. J.
  Low-noise amplifiers in radio astronomy, 19.9-31
Robinson, D. N.
  Describing the weather in Lincolnshire dialect, 19.9-78
Robinson, Edwin S.
  Seismic wave propagation on a heterogeneous polar ice sheet, 19.7-769
Robinson, Elmer
  Atmospheric water vapour measurements on the Greenland Ice Cap (*with* **Ludwig, F. L.**), 19.12-312
  Effect [of air pollution] on the physical properties of the atmosphere, 19.8-236
  See also **Ludwig, F. L.,** 19.7-469
Robinson, Enders A.
  Multichannel time series analysis with digital computer programs, 19.3-7
Robinson, G. B., Jr., *see* **Bjorklund, L. J.,** 19.11-812
Robinson, G. D.
  Meteorological observations over the oceans, 19.1-60; 19.6-99
  Some aspects of the meteorology and refractive index of the air near the Earth's surface, 19.10-219
  Surface measurements of solar and terrestrial radiation during the IGY and IGC, 19.5-16
  Transmission of solar radiation in the spectral region 0.55 to 0.64 μm and the Aangstroem turbidity coefficient, 19.12-235
Robinson, Gilbert G.
  Aircraft location system with possible application to air motion studies, 19.2-48
Robinson, Lewis H., *see* **Eberly, D. L.,** 19.7-207
Robinson, P. A., *see* **Bradley, J. N.,** 19.5-515
Robinson, S. C., *see* **Canada. National Advisory Committee on Research in the Geological Sciences,** 19.4-23
Robley, Robert
  Photometrie de la lumiere zodiacale, 19.7-680
Robson, P. N.
  Surface wave propagation along a dielectric rod immersed in an unmagnetized plasma and its application to measuring electron density (*with* **Stewart, R. D.**), 19.8-163
Roch, Andre
  Declenchements d'avalanches, 19.5-332
  Variations de la resistance de la neige, 19.3-319
Roche, Marcel
  Essai de definition d'un hydrogramme standard, 19.6-392
  See also **Brunet-Moret, Y.,** 19.1-297

Rochford, D. J.
Phosphate levels of the major surface currents of the Indian Ocean, 19.6-666
Rockney, Vaughn D.
Radiosonde and radiowind observations on merchant ships, 19.7-158
Rockwell, David C.
Theoretical free oscillations of the Great Lakes, 19.8-765
Rocznik, Karl
Eine Regensburger Sonnenschein-Studie [A Regensburg sunshine study], 19.5-218
Rode, A. A.
O naimen'shei vlagoemkosti [Field capacity] [and Eng. transl.], 19.6-800
Study of soil moisture by Soviet investigators [Transl. from Russ.], 19.12-820
Roden, Gunnar I.
On river discharge into the Northeastern Pacific Ocean and the Bering Sea, 19.2-601
Spectral analysis and interpretation of salinity-temperature-depth records, 19.6-672
Rodewald, Martin
Die Klimaschwankung in Westgroenland [Climatic fluctuations in western Greenland], 19.10-467
Ein eigenartiger Eisberg [Unusual iceberg], 19.7-774
Naechtlicher Orkan-Ueberfall auf FFS "Anton Dohrn" [Nighttime hurricane assault on the "Anton Dohrn"], 19.10-258
Weltwetterkarten fuer das Internationale Geophysikalische Jahr 1957/1958, Teil II [World weather maps for the IGY 1957/1958, Pt. 2], 19.5-87
Wetterschaeden [Weather damage], 19.1-199
Rodgers, A. W.
Atmosphere of the long period cepheid 1 Carinae, Pt. 1 (*with* **Bell, R. A.**), 19.8-630
Rodgers, Clive D.
Radiative heat budget of the troposphere and lower stratosphere, 19.7-268
Rodgers, G. K.
Thermal bar in Lake Ontario, spring 1965 and winter 1965-66, 19.6-743
Rodhe, Bertil
Studies on the effect of lake regulation on local climate, 19.12-444
Rodionov, Ia. S., *see* **Gubenko, V. S.,** 19.7-508
Rodionov, N. A.
Osobennosti gidrologicheskogo rezhima Taganrogskogo zaliva pri sgonakh i nagonakh [Characteristics of the hydrologic regime in the Gulf of Taganrog during on- and off-shore winds], 19.9-796
See also **Simonov, A. I.,** 19.4-677
Rodionov, S. F.
O zatmennom effekte v ozonnoi oblasti solnechnogo spektra 20 maia 1966 goda [Eclipse effect in the ozone region of the solar spectrum] (*with others*) [and Eng. transl.], 19.11-511
Rodionova, Zh. F.
Eshche 150 nazvanii na obratnoi storone Luny [150 more names on the reverse side of the Moon] (*with* **Shingareva, K. B.**), 19.2-496
Rodriguez Iturbe, Ignacio
Application of cross-spectral analysis to hydrologic time series, 19.3-682
Roeder, R. C.
Blackbody radiation and the Eddington-Lemaitre universe (*with* **Chambers, R. H.**), 19.7-301
Roehrs, Heinrich
Wissenschaftliche Untersuchungen mit Stratosphaerenballonen [Scientific investigations with stratospheric balloons], 19.7-132
Roemer, M.
Geomagnetic activity effect derived from Explorer 9 drag data, 19.5-502
See also **Priester, W.,** 19.1-94
Roesch, J.
Photometrie de la lumiere cendree en vue de la determination de l'albedo de la terre, 19.5-16
Roesch, S.
Regenbogen in Wissenschaft und Kunst [Rainbow in science and art], 19.9-554
Roese, David W.
Satellite navigational aids for transportation of the 1970's, 19.9-91
Roessler, F.
Aerosol-layer in the stratosphere, 19.8-237
Roessler, J.
Transmissionsmessungen mit Laserlicht (6328 Å) am Meteorologischen Observatorium Aachen [Transmission measurements with a laser beam (6328 Å) at the Aachen Meteorological Observatory], 19.9-203
Roether, W., *see* **Muennich, K. O.,** 19.9-845; 19.10-734
Roethlisberger, Hans
Electrical resistivity measurements and soundings on glaciers: introductory remarks, 19.4-720
Recent D.C. resistivity soundings on Swiss glaciers (*with* **Voegtli, K.**), 19.4-721
Ultrasonic pulse measurements in anisotropic lake ice, 19.6-730
Rogers, C. William
Study of dynamical relationships between cloud and extratropical cyclogenesis (*with* **Sherr, P. E.**), 19.2-171
Rogers, T. F.
Radio wave propagation through the Earth's neutral atmosphere and ionosphere (*with* **Evans, J. V.**), 19.11-103
Rogerson, T. L.
Net rainfall under hardwoods and red pine in central Pennsylvania (*with* **Byrnes, W. R.**), 19.7-423
Rohan, P. K.
Climate of North Munster, 19.11-17
Rojas, Omar, *see* **Brandhorst, W.,** 19.9-739
Rokotian, V. E.
Nekotorye invariantno-gruppovye resheniia uravnenii dinamiki atmosfery [Some group invarient solutions for an equation of the dynamics of the atmosphere] [and Eng. transl.], 19.11-305
Roldugin, V. K.
Korotkoperiodicheskie kolebaniia avroral'nogo pogloshcheniia kosmicheskogo shuma [Short-period oscillations of auroral absorption of

cosmic noise] [and Eng. transl.], 19.1-399
O povtoriaemosti vspyshek poliarnykh siianii [Frequency of auroral flares] [and Eng. transl.], 19.7-553

Rolfe, R. C.
Vibrating wire pressure transducer electronics, 19.10-139

Roller, Maria
Klimatische Probleme des Almauf- und -abtriebes des Weideviehs in den Ostalpenlaendern [Climatic problems of driving cattle to and from Alpine pastures in eastern Alpine countries], 19.5-350
Witterung und Phaenologie am Alpenostrand im Jahre 1967, einem Jahre mit Rekordernten [Weather and phenology in the eastern edge of the Alps in 1967, a year of record crops], 19.8-100

Roller, W. L.
Estimation of solar radiation environment (*with* **Goldman, R. F.**), 19.8-325

Romanenko, V. A.
O primenenii printsipa territorial'no obshchikh zavisimostei k raschetu srednei glubiny promerzaniia pochvy v rechnykh basseinakh [Application of the principle of common areal relationships in computations of average depth of soil freezing in river basins], 19.9-412

Romanko, John
Effects of the space environment: radiation, 19.1-21

Romanov, A. M.
Plotnost' medlennykh neitronov na razlichnykh glubinakh atmosfery v gody minimuma solnechnoi deiatel'nosti [Density of slow neutrons at different depths of the atmosphere during years of minimum solar activity] [and Eng. transl.], 19.7-577
See also **Chuikin, E. I.**, 19.4-480; 19.5-445; **Efimov, Iu. E.**, 19.2-424

Romanov, D. F.
O zagriaznenii neft'iu i nefteproduktami Kuibyshevskogo vodokhranilishcha [Pollution of Kuibyshev Reservoir with petroleum and petroleum products], 19.6-785

Romanov, E. V.
Pereschetnaia skhema, ispol'zuiushchaia printsip integrirovaniia impul'sov E.D.S. [Conversion scheme working on the principle of integration of pulses of an electromotive force], 19.9-124
See also **Afinogenov, L. P.**, 19.9-145; **Grushin, S. I.**, 19.9-194

Romanov, I. P., *see* **Blinov, N. I.**, 19.5-708

Romanov, V. I., *see* **Nelepo, B. A.**, 19.2-554

Romanova, G. M., *see* **Bespalov, D. P.**, 19.8-121

Romanova, L. M.
Svetovoe pole v glubine mutnoi sredy, osveshchaemoi uzkim puchkom [Light field in the deep layers of a turbid medium illuminated by a narrow beam] [and Eng. transl.], 19.11-512

Romanovich, Z. S., *see* **Laktionov, A. F.**, 19.3-31

Romanovskii, V. V., *see* **Karaushev, A. V.**, 19.5-753

Romberg, Frederick E.
Marine geophysics, 19.1-19

Romenskaia, N. N., *see* **Smirnov, E. V.**, 19.4-641

Romick, G. J.
Simultaneous measurements of an incident hydrogen flux and the resulting hydrogen Balmer alpha emission in an auroral hydrogen arc (*with* **Sharp, R. D.**), 19.1-403
Spatial variation of auroral luminosity, Pt. 2 (*with* **Belon, A. E.**), 19.4-397

Romine, D. S., *see* **Dotzenko, A. D.**, 19.6-430

Rompolt, B.
Hα radiation field in the solar corona for moving prominences, 19.3-592

Ronberg, Peter, *see* **Spar, J.**, 19.8-437

Ronca, Luciano B.
Surface density of large lunar craters (*with* **Green, R. R.**), 19.12-587
See also **Zeller, E. J.**, 19.5-529

Rondy, Donald R.
Great Lakes ice cover, winter 1966-67, 19.6-731

Rooney, John F., Jr.
Urban snow hazard in the United States: an appraisal of disruption, 19.1-311

Rooney, Richard F.
Taut wire buoy array for environmental monitoring in AUTEC, 19.11-702

Roonwal, G. S.
Wandering rivers of the Punjab, India, 19.9-822

Rooth, Claes, *see* **Stommel, H.**, 19.12-714

Roschke, Gerhard
Die Abhaengigkeit der Wasserfuehrung der Fluesse von der Witterung der Einzugsgebiete, erlaeutert am Beispiel der Warthe [Dependence of river discharge on the meteorological conditions in catchments, demonstrated by example of the Warta River], 19.7-799

Rose, C. W., *see* **Byrne, G. F.**, 19.3-91

Rose, G.
Erste Ergebnisse der Ionosphaerenbeobachtungen waehrend der Atlantischen Expedition (IQSY) 1965 des Forschungsschiffes "Meteor" [First results of ionospheric observations during the Atlantic Expedition (IQSY) 1965 of the research vessel "Meteor"] (*with* **Widdel, H. U.**), 19.5-419

Rose, M. F.
Quantitative precipitation forecasting in Alberta, 19.6-170

Rose, William K.
Centimeter radiation from Jupiter and Saturn, 19.3-541

Rosen, A.
Pegasus 1: observations of the temporal behavior of the inner zone electrons, 1965-1966 (*with others*), 19.8-592

Rosen, James M.
Simultaneous dust and ozone soundings over North and Central America, 19.6-217
Vertical distribution of dust in the stratosphere (*with* **Ney, E. P.**), 19.1-154
Vertical distribution of dust to 30 kilometers [Discussion by S. Matsushima], 19.9-264

Rosenberg, Norman J.
Influence and implications of windbreaks on agriculture in dry regions, 19.7-347
Rosenberg, Norman W.
Statistical analysis of ionospheric winds, Pt. 2, 19.12-507
Rosenberg, T. J.
On the coherency of X-ray and optical pulsations in auroras (*with* **Bjordal, J.** and **Kvifte, G. J.**), 19.2-405
Rosendal, Hans E., *see* **Kerr, J. P.,** 19.9-363
Rosenthal, Shoshana K., *see* **Hawkins, G. S.,** 19.11-687
Roshko, Anatol
Transition in incompressible near-wakes, 19.10-342
Rosini, E., *see* **Fea, G.,** 19.9-291
Rosinski, J.
Insoluble particles in hail and rain, 19.3-350
Possible role of ice-forming nuclei in rain formation, 19.3-289
See also **Langer, G.,** 19.2-128; **Nagamoto, C. T.,** 19.4-324
Ross, Bernard
Penetration and fracture of sea ice due to impact loading, 19.12-761
Ross, C. K., *see* **Reiniger, R. F.,** 19.5-617; 19.9-733
Ross, D. I.
Caribbean Cruise, Baffin 03-68, Jan.-March, Pt. 1 (*with* **Porteous, D. M.**), 19.10-713
Storage and retrieval of geophysical data, 19.9-72
Ross, David A.
Current action in a submarine canyon, 19.12-724
Ross, Duncan Baker
Performance of a newly developed shipboard wave height sensor for use in obtaining wave measurements in the deep ocean, 19.3-631
Recent developments in remote sensing of deep ocean waves, 19.9-758
Ross, Iu.
Opyt primeneniia infragazoanalizatorov dlia opredeleniia gazoobmena CO_2 list'ev v polevykh usloviiakh [Experiment in use of infrared gas analyzer in determining the gaseous CO_2 exchange of leaves under field conditions] (*with* **Rakhi, M.** and **Voitsekhovich, Z.**), 19.10-57
Radiatsionnyi rezhim rastitel'nogo pokrova s gorizontalnymi list'iami [The radiation regime of plants with horizontal leaves] (*with* **Nil'son, T.**), 19.8-321
Ross, John
Abundance of lead in the Sun (*with* **Aller, L. H.** and **Mohler, O. C.**), 19.8-631
Ross, V.
Nekotorye rezul'taty ispytanii mnogospainykh radiatsionnykh termoelementov [Some test results of multi-junction radiative thermoelements], 19.6-143
Ross, W. J.
Comments on local electron concentration determination from doppler dispersion measurements of satellite radio beacons (*with others*), 19.6-500
See also **Hibberd, F. H.,** 19.2-359
Rossbach, A., *see* **Dolainsky, F.,** 19.4-250
Rossi, B.
Measurements in space, 19.1-438
Rossi, Veikko
Soundings up to the height of 30 km with radioactivity radiosonde during the IQSY 1964-65 at the Observatory of Jokioinen: Lat 60°49'N, long. 20°30'E, 19.11-283
Rossinskii, K. I.
Udel'nyi raskhod vlekomykh nanosov [Specific discharge of dragged alluvia], 19.5-760
Rossmann, Ronald, *see* **Ayers, J. C.,** 19.12-794
Rossolimo, L. L.
Oligotrofiia ozer iuzhnogo Urala [Oligotrophy of lakes of the Southern Urals] (*with* **Fedorova, E. I.**), 19.5-745
See also **Akademiia Nauk SSSR. Institut Geografii,** 19.5-744
Rossov, V. V.
Algunas caracteristicas hidrologicas del Mediterraneo Americano (*with* **Santana, H.**), 19.5-668
Rost, D. F., *see* **Post, R. E.,** 19.10-76
Rostoker, Gordon
Critical study of the possible modes of propagation of pi 2 micropulsation activity over the Earth's surface, 19.10-620
Relationship between changes in the interplanetary magnetic field and variations in the magnetic field at the Earth's surface (*with* **Faelthammar, C. G.**), 19.11-568; 19.12-526
Rostvedt, J. O.
Summary of floods in the United States during 1962 (*with others*), 19.10-796
Rotanova, N. M.
Nekotorye voprosy elekromagnitnoi induktsii dlia ploskoi modeli Zemli [Some questions of electromagnetic induction for a flat model of the Earth] [and Eng. transl.], 19.5-475
Rothacher, Jack
Hydrologic and related characteristics of three small watersheds in the Oregon Cascades (*with* **Dyrness, C. T.** and **Fredriksen, R. L.**), 19.11-798
Rother, K., *see* **Vollstaedt, H.,** 19.7-588
Rothwell, P.
Energetic particle observations from IMP-B satellite, 19.3-497
Rotschi, H.
On some characteristics of the distribution of nutrient salts in the equatorial and south tropical Pacific Ocean, 19.9-770
Resultats des observations physico-chimiques de la Croisiere "Alize" du Navire Oceanographique Coriolis (*with others*), 19.10-712; . . . Nov. 20-Dec. 10, 1964 [and] Feb. 18-March 8, 1965, 19.3-617
Rotta, J. C.
Effect of streamwise wall curvature on compressible turbulent boundary layers, 19.10-343
Roulleau, Maud
Electrocongelation des brouillards surfondus (*with* **Poc, M. M.**), 19.4-389
Rourke, G. F., *see* **Bennett, S. M.,** 19.10-516

Roustit, Robert
Observations meteorologiques dans le departement de l'Isere pour l'annee 1966, 19.7-124
Rowan, Lawrence C., *see* **Trask, N. J.,** 19.7-662
Rowell, D. M., *see* **Nunn, K. R.,** 19.6-711
Rowlands, Richard O.
Spacing of underwater arrays for a diversity reception acoustic telemetering system (*with* **Quinn, F. G.**), 19.8-722
Rowson, B., *see* **Palmer, H. P.,** 19.5-543
Roxburgh, I. W.
Solar oblateness, 19.6-612
Roy, A. K., *see* **Ramana Murthy, Bh. V.,** 19.6-378
Roy, N. Sen, *see* **Sen Roy, N.**
Royal Aeronautical Society, *see* **Symposium on Wind Effects on Buildings and Structures, 3rd, Loughborough, Eng., April 1968,** 19.11-36
Royal Astronomical Society of Canada
Observer's handbook, 19.8-28
Royal Society of London
Space research in the United Kingdom: Reports for August 1966 to July 1967, 19.12-37
Rozanov, A. G.
Distribution of nitrates and nitrites in the water of North Indian Ocean (*with* **Bykova, V. S.**) [Transl. from Russ.], 19.7-740
Rozdzynski, Kazimierz
Bledy dynamiczne oceanograficznych sond termometrycznych [Dynamic errors in oceanographic thermometric sonds], 19.5-640
Rozenberg, G. V.
Measurements of altitude variation of scattering coefficient in stratosphere (*with* **Sandomirskii, A. B.** and **Pyldmaa, V. K.**), 19.9-553
Simpozium po rasseianiiu sveta v atmosfere (29 iiunia-6 iiulia g. Chernovtsy) [Symposium on the scattering of light in the atmosphere, June 29-July 6, Chernovtsy] [and Eng. transl.], 19.4-387
Svoistva atmosfernogo aerozolia po dannym opticheskogo issledovaniia [Atmospheric aerosol properties based on optical studies] [and Eng. transl.], 19.2-143
See also **Driving, A. Ia.,** 19.2-328; **Gorchakov, G. I.,** 19.11-514
Rozenberg, L. I.
Osobennosti skhematizatsii poimennykh rusel pri raschetakh neustanovivshegosia dvizheniia vody [Peculiarities of schematization of nominal channels for calculation of irregular movement] (*with* **Rusinov, M. I.**), 19.7-850
Rozengurt, Moisei Sh.
Gidrokhimicheskii rezhim limanov severozapadnogo Prichernomor'ia [Hydrochemical regime of the estuaries of the northwest area along the Black Sea] (*with* **Besfamil'naia, R. M.**), 19.9-771
O techeniiakh i vodoobmene Dnestrovskogo limana [Currents and water exchange of the Dnestrovsk Estuary], 19.9-840
See also **Vinogradov, K. A.,** 19.7-715
Rozenshtok, Iu. L.
Unsteady laminar thermal boundary layer on a semi-infinite plate in a viscous liquid flow [Transl. from Russ.], 19.11-302
See also **Kaganov, M. A.,** 19.8-115
Rozhdestvenskii, A. V.
Analiz tsiklicheskikh kolebanii godovogo stoka rek [Analysis of cyclic oscillation of annual stream flow], 19.7-835
Some problems concerning the method of accounting for cyclic fluctuations of annual flow in hydrological computations and forecasts [Transl. from Russ.], 19.2-115
Rozova, L. V., *see* **Vladimirov, O. A.,** 19.11-734
Rubin, Louis
Operational processing of low resolution infrared (LRIR) data from ESSA satellites, 19.8-620
Rubin, Meyer, *see* **Woodcock, A. H.,** 19.8-766
Rubinshtein, E. S.
Zadachi i metody klimaticheskogo kartografirovaniia [Tasks and methods of climatic cartography], 19.12-427
Rubinshtein, M. V.
Nekotorye kharakteristiki izmenchivosti vysoty nizhnei granitsy oblakov [Some characteristics of the height variability of the lower cloud boundary], 19.2-283
O sravnimosti vysot nizhnei granitsy oblakov izmerennykh razlichnymi sposobami [The comparability of the heights of the lower boundary of clouds measured by different methods], 19.6-151
Rublev, P. A., *see* **Il'in, G. P.,** 19.3-224
Rubsam, Daryl T., *see* **Hawkins, H. F.,** 19.2-178; 19.12-211
Rubtsov, E. A., *see* **Seinova, I. B.,** 19.9-823
Rubtsov, I. G., *see* **Vishnevskii, P. F.,** 19.4-766
Ruddiman, William F.
Historical stability of the Gulf Stream meander belt: foraminiferal evidence, 19.12-725
Rudenko, S. I., *see* **Popov, A. K.,** 19.10-166
Rudicheva, L. M., *see* **Borisova, L. G.,** 19.12-130
Rudloff, Hans V., *see* **Von Rudloff, Hans**
Rudloff, Willy
Analysenmodelle tropischer Luftdruckfelder [Models for the analysis of tropical atmospheric pressure fields], 19.7-335
Meteorologische Beobachtungen mit Duesenflugzeugen ueber dem tropischen Atlantik [Meteorological observations with jet airplanes over the tropical Atlantic] (*with* **Hoeflich, O.**), 19.2-81
Rudnev, N. I., *see* **Rauner, Iu. L.,** 19.12-220
Rudneva, N. M.
O zavisimosti granitsy magnitosfery ot nedipol'noi chasti geomagnitnogo polia [Dependence of magnetosphere boundary on nondipole part of geomagnetic field] [and Eng. transl.], 19.5-469
Zavisimost' granitsy magnitosfery ot nedipol'noi chasti geomagnitnogo polia po materialam magnitnykh nabliudenii ISZ IMP-1 [Dependence of the boundary of the magnetosphere upon the dipole part of the magnetic field according to magnetic observations of the artificial Earth satellite IMP-1] [and Eng. transl.], 19.7-614

See also **Zelenkov, V. E.**, 19.5-430
Rudometov, M. V.
Ob osnovnykh voprosakh rascheta i prognoza vesennego stoka r. Desny [Basic problems of computation and forecasting spring flow of the Desna River], 19.9-236
Rufenach, Clifford L.
Faraday rotation measurements of electron content near the magnetic equator (*with* **Nimit, V. T.** and **Leo, R. E.**), 19.7-531
Ruff, I.
Angular distribution of solar radiation reflected from clouds as determined from TIROS IV radiometer measurements (*with others*), 19.7-305
Ruff, Ronald E.
Long-term data acquisition electronic buoy, 19.4-614
Rugge, H. R.
Solar X-ray spectrum below 25 Å (*with* **Walker, A. B. C., Jr.**), 19.8-687
Ruiz, Pilar, *see* **Gall, R.**, 19.7-585
Rukhovets, L. V., *see* **Il'in, B. M.**, 19.9-220
Rulf, Benjamin
Relation between creeping waves and lateral waves on a curved interface, 19.6-561
Rumania. Institutul Meteorologic, Bucharest
Anuarul Aerologic, 1964 [Aerological yearbook, 1964], 19.11-53
Anuarul Agrometeorologic, 1965 [Agrometeorological Yearbook, 1965], 19.10-103
Anuarul Meteorologic, 1964 [Meteorological Yearbook, 1964], 19.6-36
Rumney, George R.
Climatology and the world's climates, 19.8-1
Runcanu, Toma
Unele caracteristici ale vintului la Caransebes in perioada 1961-1965 [Some characteristic of winds of Caransebes between 1961 and 1965], 19.4-292
Runcorn, S. K.
International dictionary of geophysics (*ed.*), 19.4-2
On the rotation of Jupiter, 19.3-568
See also **NATO Advanced Study Institute, Newcastle upon Tyne, March-April 1966**, 19.12-18
Rundle, Arthur S.
Meteorological observations at Palmer Station, 1965-1966, 19.4-87
Studies of the Anvers Island ice cap, 1965-1966, 19.4-733
Runge, Heinz
Das Wetter und Wir [We and the weather], 19.11-61
Runich, A. V.
K klassifikatsii akkumuliativnykh form lavinnogo rel'efa [Classification of accumulative forms of avalanche relief], 19.11-781
Runkles, J. R., *see* **Peters, D. B.**, 19.7-856
Ruppert, M. L., *see* **Ivanova, A. A.**, 19.9-826
Rusanov, V. I.
Osnovnye cherty bioklimata Zapadnoi Sibiri [Main bioclimatic characteristics of Western Siberia], 19.12-442
Rusby, J. S. M.
Measurements of the refractive index of sea water relative to Copenhagen standard sea water, 19.1-539
Rush, C. M.
Lunar perturbation of the critical frequency of the F2-layer at low latitudes (*with* **Venkateswaran, S. V.**), 19.7-532
Rusin, N. P.
Some results of and prospects for the study of the meteorology of the air layer near the ground in Antarctica [Transl. from Russ.], 19.3-46
See also **Marshunova, M. S.**, 19.2-195
Rusinov, M. I.
Raschety rasprostraneniia voln popuskov s pomoshch'iu EVM (na primere nizhnego b'efa Ivan'kovskoi GES) [Calculation of propagation of waves of artificial discharge with a computer (using as an example the downstream pool of the Ivankovskaya Hydroelectric Power Plant)], 19.7-96
See also **Rozenberg, L. I.**, 19.7-850
Ruskin, R. E., *see* **Mossop, S. C.**, 19.12-338
Russell, John J.
Program proposal for an automatic synoptic oceanographic data assimilation system (SODAS), 19.1-511
Synoptic oceanographic data assimilation system (SODAS), 19.1-511
Russell, Kenneth L.
Oceanic ridges and eustatic changes in sea level, 19.12-686
Russell, Larry W.
Experimental studies of the Pegasus thermal control louver system (*with* **Linton, R. C.**), 19.11-602
Russell, Samuel O.
Sudden-enlargement energy dissipation for Mica Dam (*with* **Ball, J. W.**) [Discussion by B. C. Syamala Rao et al.], 19.12-806
Russell, Thomas L.
Ocean wave force instrumentation (*with* **Schoettle, V.** and **Chown, R. G.**), 19.5-635
Russelo, D. A., *see* **Robertson, G. W.**, 19.10-285
Russman, I. B.
Perenos izlucheniia s otrazheniem ot granits atmosfery [Radiation transfer with reflection from atmospheric boundaries] [and Eng. transl.], 19.1-209
Russo, D., *see* **Landini, M.**, 19.9-252
Russo, John A., Jr.
Further experimentation: statistical prediction of precipitation probability, 19.6-171
See also **Bryan, J. G.**, 19.7-178
Rust, David M.
Magnetic fields in quiescent solar prominences, Pt. 1, 19.2-509
Rustamov, S. G.
Snegovoe pitanie rek Malogo Kavkaza [Snow supply to the rivers of the Lesser Caucasus] (*with* **Dzhafarov, B. S.** and **Gadzhibekov, N. G.**), 19.11-475

Rutherford, G. K.
Preliminary study of the composition of precipitation in S.E. Ontario, 19.6-394

Rutherford, G. T.
Synoptic use of meteorological satellite data in sparse data regions, 19.6-162

Rutherford, J. A., *see* **Stebbings, R. F.,** 19.7-242

Rutiser, Sandra J.
On the scientific use of a satellite radar system (*with others*), 19.6-64

Rutkovskaia, V. A., *see* **Karabasheva, E. I.,** 19.12-695

Rutten, R. J.
Zonsverduistering van 12 november 1966 [Solar eclipse of Nov. 12, 1966], 19.10-707

Ruttenberg, S., *see* **Lally, V. E.,** 19.4-126

Rutter, N.
Instrumentation for a transect study of microclimate with special reference to the value of time-lapse photography in agricultural meteorology, 19.11-494
Intense rainfall in West Wales on June 24, 1967 (*with* **Taylor, J. A.**), 19.8-441

Ruzin, M. I.
Vliianie gorizontal'noi neodnorodnosti polia temperatury na pogranichnyi sloi atmosfery [Influence of the horizontal inhomogeneity of the temperature field on the boundary layer of atmosphere], 19.4-279

Ryan, B. F., *see* **Macklin, W. C.,** 19.7-379

Ryan, P. W., *see* **McNall, P. E.,** 19.11-93

Rybak, B. Kh.
K voprosu o prognoze vysoty urovnia v gorode Arkhangel'ske [The problem of forecasting the height of the level at Arkhangel'sk], 19.11-200

Rybakov, A. K., *see* **Nazarova, T. N.,** 19.8-664

Rybakov, E. T.
Teoriia i praktika polucheniia vodoroda na aerologicheskikh stantsiiakh [Theory and practice of obtaining hydrogen at aerological stations], 19.8-160

Rybicki, G. B.
Radiative transfer in turbulent atmospheres: the diagnostic problem, 19.8-692

Rybin, I. M., *see* **Krasnogorskaia, N. V.,** 19.12-356

Rybin, V. V.
Dvizhenie ionizovannogo ploskogo sloia v napravlennom pod uglom odnorodnom magnitnom pole [Movement of an ionized plane layer in a homogeneous magnetic layer directed at an angle] [and Eng. transl.], 19.8-390

Rybina, A. A., *see* **Banin, V. G.,** 19.5-605

Rybnikov, A. A.
Sposob opredeleniia neobkhodimogo kolichestva nabliudenii dlia polucheniia srednikh velichin [A method for determining the necessary number of observations to obtain mean values], 19.4-675

Rycroft, Michael J.
Review of satellite observations of V.L.F. phenomena in the magnetosphere, 19.10-129
Some observations of background electromagnetic radiation near 5 kc/s, 19.10-551

Rydbeck, O. E. H.
Propagation and coupling of waves in inhomogeneous media, 19.9-601
Wave coupling in multi-mode, inhomogeneous ionized media, 19.12-461

Rydgren, Bo
Photometric study of the solar aureole under various weather conditions, 19.12-621

Ryle, M.
Aerial synthesis, 19.9-31

Rylov, Iu. A.
O vliianii fluktuatsii na tochnost' izmereniia energii ionizatsionnym kalorimetrom [Effect of fluctuation on the accuracy of measurement of energy with an ionization calorimeter] [and Eng. transl.], 19.1-412

Rylov, S. P.
Ob uvlazhnenii malykh vodosborov v stepnoi i polupustynnoi zonakh Severnogo i Zapadnogo Kazakhstana [Soil moisture of small catchments in the steppe and semi-desert zones of northern and western Kazakhstan], 19.10-800

Ryss, I. K., *see* **Chernysheva, S. P.,** 19.5-398

Ryther, John H.
Cruise Report, Research Vessel ANTON BRUUN Cruise 15, 19.5-622

Ryvlin, A. Ia., *see* **Kashtelian, V. I.,** 19.6-701

Ryznar, Edward, *see* **Portman, D. J.,** 19.7-339

Ryzhkina, T. E., *see* **Namazov, S. A.,** 19.1-379

Ryzhkov, Iu. G.
Measurement of bottom currents in the Black Sea with a neutrally buoyant ultrasonic buoy (*with* **Karnaushenko, N. N.**) [Transl. from Russ.], 19.2-532
Tsirkuliatsiia vod nad rezkim izlomom morskogo dna [Water circulation above a sharp break in the sea floor], 19.2-567

Rzhiga, O. N., *see* **Aleksandrov, Iu. N.,** 19.5-552

S

Saastamoinen, J.
On the path curvature of electromagnetic waves, 19.10-220

Sabitov, Sh. N., *see* **Matiagin, V. S.,** 19.6-608

Sachdev, P. L.
Propagation of shocks in stellar envelopes on Brinkley-Kirkwood theory, 19.12-661

Sachdev, R. N.
Automatic data telemetering system for meteorological and radiation data (*with* **Nadgir, S. B.** and **Rajan, K. K.**), 19.2-104

Sachs, David L.
Conducting-slab model for electromagnetic propagation within a jungle medium (*with* **Wyatt, P. J.**), 19.7-84

Sadourny, Robert
Integration of the nondivergent barotropic vorticity equation with an icosahedral-hexagonal grid for the sphere (*with* **Arakawa, A.** and **Mintz, Y.**), 19.10-163

Sadovnikov, A. V.
K voprosu ob optimal'noi chastote i tochnosti meteorologicheskikh izmerenii [Optimal fre-

  - quency and accuracy of meteorological measurements], 19.10-83
- **Saeki, Masao**
  - Transition of condition on hillsides terraced against avalanches (*with others*), 19.6-423
- **Safford, Arthur T., III**
  - Paine Field terminal forecast reference file, 19.11-46
- **Safford, G. J.**
  - Neutron scattering study of water and ionic solutions (*with others*), 19.9-772
- **Safonova, L. T.,** *see* **Stekhnovskii, D. I.,** 19.11-329
- **Safronov, D. S.,** *see* **Artemov, A. V.,** 19.5-743
- **Safronov, V. S.**
  - On the figure of the Moon, 19.6-589
- **Sagalyn, R. C.**
  - Magnetosphere plasma properties during a period of rising solar activity – OGO-II (*with* **Smiddy, M.**), 19.8-269
  - Positive ion sensing system for the measurement of spacecraft pitch and yaw, Air Force D-10 experiment flown on Gemini X and XII (*with* **Smiddy, M.**), 19.10-650
- **Sagan, Carl**
  - Elevation differences on Mars (*with* **Pollack, J. B.**), 19.3-563
  - Estimate of the surface temperature of Venus independent of passive microwave radiometry, 19.2-500
  - Martian ionosphere: a component due to solar protons (*with* **Veverka, J.**), 19.1-489
  - Simulating extraterrestrial environments, 19.8-625
  - Windblown dust model of Martian surface features and seasonal changes (*with* **Pollack, J. B.**), 19.11-652
  - *See also* **Morowitz, H.,** 19.1-486; **Pollack, J. B.,** 19.2-499; 19.10-687
- **Sager, Guenther**
  - Die Uebergangsformen von ebenen Schwerewellen [Transitional forms of plane gravity waves], 19.11-739
- **Saiedy, F.**
  - Bidirectional reflectance measurements for satellite calibration target in the visible and near infrared (*with* **Jones, G. D.**), 19.8-621
- **St. John, O. B.**
  - Implications of all-weather landing in the U.K. (*with* **Morgan, R. C.**), 19.7-473
- **Saint Thomas University, Houston, Institute for Storm Research**
  - Weather averages and sea states for selected offshore areas, 19.4-88
- **Saito, S.**
  - Laser application to telemetering, telecommand and answer-back systems, 19.9-31
- **Saito, Takao**
  - Solar cycle effects on geomagnetic Pi 2 pulsations (*with* **Matsushita, S.**), 19.4-518
- **Saito, Takayuki**
  - Effect of net radiation and wind on nocturnal cooling of plant communities, 19.5-49
- **Sakagami, Yukio**
  - Laboratory experiments on collisionless shock waves (*with* **Yamanaka, C.**), 19.3-516
- **Sakai, Akira**
  - Mechanism of frost damage on basal stems in young trees, 19.7-322
  - Study on the spring frost damage in plants, Pt. 1 (*with* **Yoshida, S.**), 19.8-352
  - *See also* **Otsuka, K.,** 19.7-430; **Yoshida, S.,** 19.7-325, 468
- **Sakali, L. I.**
  - O teplovom i vodnom balansakh podstilaiushchei poverkhnosti Ukrainy [Heat and water balance of the underlying surface in the Ukraine] (*with* **Sakali, L. N.**), 19.2-186
  - Predvaritel'nye rezul'taty eksperimental'nykh issledovanii teplovogo rezhima ozimoi pshenitsy i kukuruzy v stepnoi zone Ukrainy [Preliminary results of experimental studies of the thermal regime of winter wheat and corn in the Ukrainian steppe zone] (*with* **Perelet, N. A.** and **Solodovnikova, A. P.**), 19.9-354
  - *See also* **Konstantinov, A. R.,** 19.11-334
- **Sakali, L. N.,** *see* **Sakali, L. I.,** 19.2-186
- **Sakamoto, R. T.,** *see* **Kennedy, J. M.,** 19.6-142
- **Sakane, Norimiti**
  - On the graphs for computing wind waves over a shallow bottom, 19.10-386
- **Saks, O. V.**
  - Design of a dynamic capacitor for atmospheric ion counters [Transl. from Russ.], 19.11-169
- **Sakurai, Kunitomo**
  - Instability in the magnetospheric tail and acceleration of auroral electrons, 19.3-517
  - On the large-scale structure of the Sun's and the interplanetary magnetic fields during the minimum phase of the solar activity cycle, 19.3-595
  - On the large-scale structure of the Sun's magnetic fields during the declining and minimum phases of the solar activity cycles, 19.3-596
  - On the role of electric fields for the acceleration of energetic particles in solar flares, 19.3-530
  - Solar cosmic-ray flares and related sunspot magnetic fields, 19.9-627
  - Yearly variation of solar activity related to cosmic-ray flares during the last solar cycle, 1954-1964, 19.3-437
  - *See also* **Kawamura, K.,** 19.2-132
- **Salah, J. E.**
  - Atmospheric measurements at Kwajalein using hypersonic spheres, 19.3-50
- **Salamuni, Riad,** *see* **Bigarella, J. J.,** 19.7-768
- **Salaruddin, M.**
  - Instrument for soil moisture determination (*with* **Khasbardar, B. V.**), 19.5-134
- **Salazanov, V. V.**
  - Dynamics of soil thawing [Transl. from Russ.], 19.2-228
- **Salishchev, K. A.**
  - Scientific basis of Soviet integrated atlases, 19.9-37
- **Sallee, Ralph W.**
  - Use of weather satellites in Antarctica, 19.4-102
- **Salm, Bruno**
  - Attempt to clarify triaxial creep mechanics of snow, 19.12-412
  - Contribution to avalanche dynamics, 19.3-343

Salman-Zade, R. Kh.
O differentsial'nykh sdvigakh fraungoferovykh linii v spektre Solntsa [Differential displacements of Fraunhofer lines in the solar spectrum], 19.3-603
Salmela, H. A., *see* **Sissenwine, N.,** 19.5-281
Salomonson, V. V.
Anisotropic solar reflectance over white sand (*with* **Marlatt, W. E.**), 19.10-289
Saltzman, Barry
On the theory of the mean temperature of the Earth's surface, 19.4-270
Steady state solutions for axially-symmetric climatic variables, 19.12-177
Surface boundary effects on the general circulation and macroclimate, 19.11-485
Saltzman, P. P.
Meteorology in Canada a hundred years ago, 19.5-88
Samaj, Ferdinand
Vyvoj meteorologie na uzemi Slovenska (Do vzniku I. CSR) [Development of meteorology in Slovakia (up to the foundation of the 1st Czechoslovak Republic)] (*with* **Briedon, V.**), 19.10-97
Samanta, S., *see* **Khastgir, S. R.,** 19.10-538
Samardzhiev, D. T.
Asimmetriia v dnevnykh izmeneniiakh sloia E [Asymmetry in daily E-layer variations] (*with* **Serafimov, K. B.**) [and Eng. transl.], 19.1-385
See also **Serafimov, K. B.,** 19.1-386
Samir, Uri
Spacecraft/spaceplasma interaction, 19.12-564
See also **Henderson, C. L.,** 19.3-82
Samoilov, A. I.
Fronty v pole vlazhnosti [Fronts in the moisture field], 19.4-310
Samokhin, M. V.
Vliianie elekticheskogo polia na dvizhenie zariazhennykh chastits v neodnorodnom magnitnom pole [Effect of the electric field on the movement of charged particles in an inhomogeneous magnetic field] [and Eng. transl.], 19.1-444
Vliianie nepreryvnogo spektra inzhektiruemykh v magnitosferu chastits na velichinu i formu zapreschennoi zony [Effect of the continuous spectrum of particles injected into the magnetosphere on the size and form of the forbidden zone] [and Eng. transl.], 19.1-439
Vliianie postoiannogo elektricheskogo polia na dvizhenie zariazhennykh chastits v dipol'nom magnitnom pole [Effect of the constant electric field on charged particle movement in a dipole magnetic field] [and Eng. transl.], 19.1-440
Samson, C. A., *see* **Riggs, L. P.,** 19.7-285
Samson, James A. R., *see* **Cairns, R. B.,** 19.12-153
Samukashvili, R. D.
O dnevnom khode koeffitsienta prozrachnosti v Observatorii Terskol [Diurnal variation of the transparency coefficient in the Terskol Observatory], 19.10-292
O vliianii snezhnogo pokrova i oblachnosti na godovoi khod radiatsionnogo balansa v raione El'brusa na vysote 2100 m nad urovnem moria [Effect of snow cover and cloudiness on the annual variations of radiation balance in the Elbrus Mts. at a height of 2100 m above sea level], 19.11-338
Pogloshchennaia radiatsiia v Observatorii Terskol [Absorbed radiation at Terskol Observatory], 19.10-293
Sanatani, S., *see* **Rastogi, R. G.,** 19.10-548
Sandborn, V. A.
On turbulent boundary-layer separation (*with* **Liu, C. Y.**), 19.10-344
Sander, Gary W., *see* **Ramseier, R. O.,** 19.3-324
Sanders, Frederick
Experiments in barotropic hurricane track forecasting (*with* **Burpee, R. W.**), 19.9-221
Frontal structure and the dynamics of frontogenesis, 19.2-19
Release of latent heat of condensation in a simple precipitation forecast model (*with* **Olson, D. A.**) [Comments by F. K. Schwarz], 19.8-314
Verification of probability forecasts, 19.2-121
Sanders, Howard, *see* **Josephs, M.,** 19.6-25
Sanderson, J. A.
Optics at the Naval Research Laboratory, 19.10-552
Sandford, B. P.
High latitude night-sky emissions, 19.2-417
Sandford, M. C. W.
Laser scatter measurements in the mesosophere and above, 19.4-194
Optical radar performance in atmospheric scattering, 19.5-77
Sandlin, Glenn D.
Energy distribution in the solar ultraviolet continuum between 1550 and 2100 Å (*with* **Widing, K. G.**), 19.2-510
Sandomirskii, A. B., *see* **Rozenberg, G. V.,** 19.9-553
Sandstroem, Arne Eld
Enhanced intensity time variations in the predecrease region of Forbush decreases (*with* **Thayarnyong, S.**), 19.12-523
Sankaranarayanan, P. E., *see* **Raja, J.,** 19.6-146
Sankar Rao, M.
Method of solution for a system of two second-order ordinary differential equations arising in the theory of the mean atmospheric waves, 19.10-365
Sanna, Salvatore, *see* **Mattana, N.,** 19.4-303
Sano, Yukizo
Development of magnetic bay disturbances and associated f_{min}-increases (*with* **Ondoh, T.**), 19.3-475
See also **Ondoh, T.,** 19.3-474
Sanoian, M. G.
Nekotorye voprosy metodiki opredeleniia ispareniia metodom teplovogo balansa na oroshaemykh poliakh [Some problems of methods for the determination of evaporation from irrigated fields by the heat balance method] (*with* **Ogneva, T. A.**), 19.10-398
Santa Barbara Research Center, Goleta, Calif.
Multi-order satellite IR grating spectrometer (SIRS B), Vol. 1, 19.10-134
Santana, H., *see* **Rossov, V. V.,** 19.5-668

Santomauro, Luigi
Andamento del gradiente termico nei primi 100 metri dell'atmosfera durante l'eclisse di sole del 20 Maggio 1966 a Milano, 19.9-400
Lapse-rate variation and wind oscillation in the first 100 meters, 19.9-401
See also **Fea, G.**, 19.9-291
Santoro Y., Jose, *see* **Stevenson, M. R.**, 19.9-742
Santos, P. Marques Dos, *see* **Dos Santos, P. Marques**
Sanyasi Raju, P. T., *see* **Jagath Kumar, V. R.**, 19.5-504
Sao Paulo, Brazil (City). Observatorio
Anuario, 1968, 19.11-54
Saporte, R.
Note sur la realisation d'un hygrometre utilisant l'absorption de l'infrarouge par la vapeur d'eau: resultats preliminaires (*with* **Casamayor, P.** and **Brustet, M.**), 19.9-182
Sapozhnikov, V. I.
K prognozu vesennego pritoka vody v vodokhranilishche Gor'kovskoi GES [Forecast of spring flow into the reservoir of the Gor'kii Hydroelectric Station], 19.3-117
Prognozy urovnei vody Irtysha s uchetom transformatsii [Forecasts of the water level of the Irtysh taking transformation into account] (*with* **Borisov, P. V.**), 19.3-118
See also **Zmieva, E. S.**, 19.11-194
Sapozhnikov, V. V.
Ispol'zovanie raschetnogo parametra preformfosfatov dlia vyiasneniia osnovnykh zakonomernostei raspredeleniia fosfatov i kisloroda na meridianal'nykh razrezakh v Tikhom i Atlanticheskom okeanakh [Use of the calculated parameter for preformed phosphates to explain the principal regularities of the distribution of phosphates and oxygen in meridional cross-sections of the Pacific and Atlantic oceans], 19.1-550
Raspredelenie i nekotorye voprosy vyiavleniia ekstremal'nykh kontsentratsii kisloroda i fosfatov v Tikhom okeane [Distribution and certain problems of detecting extreme concentrations of oxygen and phosphates in the Pacific Ocean] (*with* **Cherniakova, A. M.**), 19.1-551
Sapozhnikova, S. A.
Agroklimatologiia i ee sovremennye zadachi [Agroclimatology and its contemporary problems], 19.6-451
Blizhaishie perspektivy klimatologicheskikh razrabotok na mashinakh i neobkhodimye vidy pamiati [Immediate prospects of mechanized climatological analysis and the required types of memory], 19.12-62
Sarabhai, Vikram, *see* **Subramanian, G.**, 19.3-442
Sargeant, Douglas H.
Troposcatter study of the atmosphere, 19.4-183
Sargent, Frederick II
Dangerous game: taming the weather, 19.1-128
Weather modification and the biosphere, 19.11-217
Sargent, Wallace L. W.
Surveys of abundances and atmospheric parameters in peculiar A stars (*with* **Searle, L.**), 19.11-686
Sarkady, A. A., *see* **Chupp, E. L.**, 19.8-554
Sarker, R. P.
Some modifications in a dynamical model of orographic rainfall, 19.5-320
See also **Parthasarathy, M. C.**, 19.6-773; **Ratnam, V.**, 19.7-399
Sarkisian, A. S.
Dinamika neperiodicheskikh morskikh techenii [Dynamics of non-periodic sea currents] [and Eng. transl.], 19.1-556
Primery rascheta trekh sostavliaiushchikh skorosti techenii v Severnoi Atlantike po zadannomu poliu plotnosti [Examples of calculation of three velocity components of currents in the North Atlantic based on a given density field] (*with others*), 19.4-666
Sarma, S. B. S. Subrahmanya, *see* **Subrahmanya Sarma, S. B. S.**
Sarson, P. B.
Validity of soil temperature records, 19.7-461
Sartor, J. D.
Charge transfer between raindrops (*with* **Atkinson, W. R.**), 19.3-368
Remote sensing of radio emission from convective clouds including transmission via sporadic E, 19.6-470
Role of particle interactions in the distribution of electricity in thunderstorms, 19.1-342
Sartory, P. K.
Suggested explanation of some transient lunar phenomena, 19.7-657
Sartz, Richard S.
Test of three indirect methods of measuring depth of frost, 19.5-238
Saruhashi, K., *see* **Miyake, Y.**, 19.1-542-547
Saryanarayana Murty, A. V., *see* **Murty, A. V. Saryanarayana**
Sasaki, Harumi, *see* **Koyama, M.**, 19.11-219
Sasaki, Yoshikazu
Dynamical forecasting of severe local storms (*with others*), 19.12-112
Generalized theory of Rayleigh convection applicable to the atmosphere, Pt. 1, 19.6-353
Some dynamical aspects of atmospheric convection, 19.5-272
See also **Charba, J. P.**, 19.10-261
Sastri, V. D. P.
Spectral irradiance and colour of sky at Delhi during the solar eclipse on 15 Feb. 1961, 19.10-294
Sastry, R. S., *see* **Monro, P. E.**, 19.12-500
Sastry, T. S. G.
Quiet-day electrojet over Thumba, India, 19.8-527
Sasyo, Y.
On the deformation of "Turusi"-cloud around Mt. Fuji (*with* **Tokuue, H.**), 19.2-282
Sato, Kazuo, *see* **Hosoya, M.**, 19.12-402
Sato, Teruo
Abnormally large electron concentration in the ionospheric F2 region at summer-night in middle latitudes, 19.4-445

Sato, Tetsuya
Brillouin scattering in plasmas as applied to ionospheric irregularities, 19.8-528
Fully developed turbulent irregularities in the ionosphere due to cross-field plasma instability (*with* **Tsuda, T.** and **Maeda, K. I.**), 19.10-553
Scattering of electromagnetic waves by field-alined plasma columns (*with* **Maeda, K. I.**), 19.8-529
Satterlund, Donald R.
Snow catch by conifer crowns (*with* **Haupt, H. F.**), 19.3-300
Satyanarayanamurthy, Ch., *see* **Bhagiratha Rao, E.**, 19.6-476
Saucier, W. J.
Research and education requirements in mesometeorology and short range forecasting, 19.9-70
Sauer, H. H.
Nonconjugate aspects of recent polar cap absorption events, 19.9-602
See also **Reid, G. C.**, 19.1-221; 19.4-444
Sauerwein, K.
Flow of a stream through a reservoir, 19.9-820
Saur, J. F. T.
Expendable bathythermograph data on subsurface thermal structure in the eastern North Pacific Ocean (*with* **Stewart, D. D.**), 19.3-647
Sauskan, E. M.
Izmenchivost' techenii v Atlanticheskom okeane i vozmozhnost' ikh rascheta [Variability of currents in the Atlantic Ocean and the possibility of their calculation], 19.11-733
See also **Glagoleva, M. G.**, 19.9-229
Sauval, A.
Solar continuum from 900 to 130000 Å and the photospheric temperature model, 19.8-688
Savel'ev, B. A., *see* **Kabanov, M. V.**, 19.10-489
Savenko, I. A., *see* **Volodichev, N. N.**, 19.1-423; 19.3-441
Savikovskii, I. A.
Results of tests on the performance of polarization visibility meters from measurements carried out during the day [Transl. from Russ.], 19.9-202
Savin, S. V., *see* **Kolkutin, V. I.**, 19.6-780
Savina, V. D.
Urovennyi rezhim Ivan'kovskogo vodokhranilishcha [Level regime of Ivankovo Reservoir], 19.6-786
Savino, Joseph M., *see* **Siegel, R.**, 19.9-801
Savun, O. I.
Variatsii spektra i intensivnosti elektronov vblizi granitsy oblasti zakhvachennoi radiatsii [Variations of electron spectrum and intensity near the boundary of the trapped radiation region] (*with others*) [and Eng. transl.], 19.5-511
Sawada, T.
Forecasting method for ship icing near the Kuril Islands, 19.5-151
Sawyer, Constance B.
Daily flare index, If for July 1955-Dec. 1961, 19.11-683
Sawyer, J. S.
Weather forecasting and its future, Pt. 1, 19.3-99; Pt. 2, 19.5-141
Saxena, S. C., *see* **Joshi, R. K.**, 19.7-139
Saxena, S. P.
Strong surface winds at Ahmedabad Airfield (*with* **Seshadri, V. R.**), 19.4-295
Saylor, James H.
Modification of nearshore currents by coastal structures, 19.6-752
See also **Duane, D. B.**, 19.6-642
Sazonov, A. A., *see* **Gnevyshev, M. N.**, 19.1-459; 19.5-542
Sazonov, B. I.
Effekt Forbusha v troposfernoi tsirkuliatsii [Forbush effect in tropospheric circulation], 19.1-181
O prirode stratosfernykh poteplenii [Nature of stratospheric warming] (*with* **Zorina, V. P.**), 19.1-233
Shirotnyi khod atmosfernoi vozmushchennosti [Latitudinal variation of atmospheric disturbances], 19.1-182
Scadden, Edith M.
Rhenium: its concentration in Pacific Ocean surface waters, 19.10-736
Scarf, Frederick L.
Detection of electromagnetic and electrostatic waves on OV 3-3 (*with* **Fredricks, R. W.** and **Crook, G. M.**), 19.9-565
Effect of coherent density fluctuations on the radar determination of total electron content [Discussion by T. Hagfors], 19.3-506
Ion cyclotron whistlers in the solar wind (*with* **Fredricks, R. W.**), 19.7-490
See also **Burnett, D.**, 19.9-30
Scargle, Jeffrey D.
On relativistic magnetohydrodynamics, 19.8-628
Scarsi, L., *see* **Perola, G. C.**, 19.3-435
Scattergood, D. M., *see* **Harrison, H.**, 19.9-687
Schaake, John C., Jr.
Simulation of a national flood insurance fund (*with* **Fiering, M. B.**), 19.3-721
Schaal, R. E., *see* **Kaufmann, P.**, 19.7-707
Schaefer, Edward J.
Temperature and composition of the lower thermosphere obtained from mass spectrometer measurements, 19.8-259
Schaefer, Hans
Neue gewaesserkundliche Geraete [New hydrological devices], 19.3-685
Schaefer, Vincent J.
Early history of weather modification, 19.11-209
Generation of large numbers of ice crystals in an electric field, 19.9-486
Ice nuclei from auto exhaust and organic vapors, 19.5-173
New field evidence of inadvertent modification of the atmosphere, 19.11-460
Schaeffer, R. C.
Relation of auroral 'flat-type' sporadic-E to magnetic disturbance, 19.4-446
Schafer, Charles F.
Thermal control coating degradation data from

the Pegasus experiment packages (*with* **Bannister, T. C.**), 19.11-603

Schaffler-Gloessl, Heinz
Der Mechanismus der Blocking-Lagen ueber West-europa und deren Auswirkung auf das Wetter in Zentraleuropa [Mechanics of the blocking situation over West Europe, and its influence on the weather in Central Europe], 19.3-198

Schalk, Marshall, *see* **Hume, J. D.,** 19.1-570

Schardt, Alois W.
Particles and fields: significant achievements (*with* **Opp, A. G.**), 19.6-517

Schatten, Kenneth H.
Response of the geomagnetic activity index Kp to the interplanetary magnetic field (*with* **Wilcox, J. M.**), 19.5-505

Schatzman, E.
Cosmogony of the solar system and origin of the deuterium, 19.7-642
Shock waves in the solar atmosphere, 19.12-644
Waves in the solar atmosphere (*with* **Souffrin, P.**), 19.7-689

Scheele, George F.
Drop formation at low velocities in liquid-liquid systems, Pt. 1 (*with* **Meister, B. J.**), 19.8-418

Scheich, G., *see* **Junge, C.,** 19.7-225

Scheidegger, A. E.
Thermodynamic analogy for meander systems, 19.4-752
See also **Liao, K. H.,** 19.12-781; **Tomkoria, B. N.,** 19.4-206

Schell, W. R.
Analytic model of carbon-14 distribution in the atmosphere (*with* **Fairhall, A. W.** and **Harp, G. D.**), 19.10-227

Schellenberger, Guenter
Ein Richtungsphotometer zur Messung der Unterwasserstrahlungsverteilung und seine Anwendung [Directional photometer for measurements of radiance distribution of the upper layers of water and its application], 19.5-755

Schemainda, R.
Das ozeanographische Beobachtungsmaterial der Tropenexpedition mit dem Forschungsschiff "Professor Albrecht Penck" in den Golf von Guinea von April bis Juli 1964 [Oceanographic observational data of the tropical expedition with the research vessel "Professor Albrecht Penck" in the Gulf of Guinea, April-July 1964) (*with others*), 19.8-708

Schenk, Erwin
Ergiebigkeit artesischer Brunnen [Yield of artesian wells], 19.5-766

Scherago, Earl J.
Guide to scientific instruments (*comp.*), 19.2-26

Scherer, Lee R.
First four lunar Orbiter photographic missions, 19.9-680

Scherhag, R.
On the reciprocal influences between oceans, continents and the atmosphere and their effects on the general circulation, 19.3-168

Schertz, Donald C., *see* **Todd, C. J.,** 19.10-184

Schickedanz, Paul T.
Determination of optimum design and minimum duration of cloud seeding experiments (*with* **Decker, W. L.**), 19.12-141
See also **Chagnon, S.,** 19.10-453; **Decker, W. L.,** 19.7-206

Schienbein, Sigurd
Ein meteorologischer Beitrag zur Technologie der Dederonproduktion [Meteorological contribution to the technology of Dederon production], 19.11-4

Schiff, Leonard
Groundwater recharge and storage (*with* **Muckel, D. C.**), 19.7-815

Schild, M.
Accidents and damage caused by avalanches, 19.9-29
Snow and avalanche conditions in the Swiss Alps (*with* **Branschi, P.**), 19.9-29

Schilling, Gerhard F.
Density and temperature variations in the intervening layer (90-150 km), 19.7-241
Eclipse observation from the Moon and cislunar space (*with* **Moore, R. C.**), 19.6-30

Schillmoller, –, *see* **Tuthill, A. H.,** 19.8-699

Schindler, Gerhard
Thermometerskala fuer Schwuele und Frostgefahr [Thermometer scale for sultriness and frost hazard], 19.1-104
Unsere Sommer werden immer schlechter [Our summers are becoming worse], 19.7-320

Schindler, Paul W.
Heterogeneous equilibria involving oxides, hydroxides, carbonates, and hydroxide carbonates, 19.9-773

Schjoedt, Rolf
Wall and roof design for hot climates (*with* **Blegen, K.**), 19.9-546

Schlak, G. A.
Electromagnetic wave propagation over a nonparallel stratified conducting medium (*with* **Wait, J. R.**), 19.4-51

Schleusener, Richard A.
Hailfall damage suppression by cloud seeding: a review of recent experience, 19.9-250
Lessons from Project Hailswath, 19.11-248
Weather variation and modification (*with* **Grant, L. O.** 19.7-197
See also **Hershfield, D. M.,** 19.4-338

Schlich, Roland
Sur une propriete de micropulsations du type pc1 et pi1 observees en points magnetiquement conjugues de moyenne latitude, 19.4-519
Variations magnetiques rapides enregistrees en des stations proches [Rapid magnetic variations recorded in nearby stations] (*with* **Bitterly, J.**), 19.4-520

Schlitt, Helmut
Hybrid systems for measurement for aircraft motions, 19.2-49

Schloegl, F.
On the statistical foundation of the thermodynamic evolution criterion of Glansdorff and Prigogine, 19.8-285

Schloemer, R. W., *see* **Landsberg, H. E.**, 19.7-441
Schmeidler, F.
  Temperaturverlauf bei Sonnenfinsternissen [Temperature variations during solar eclipses], 19.7-319
Schmelovsky, K. H.
  Outer ionosphere, 19.9-603
Schmeltzer, R. A., *see* **Fried, D. L.**, 19.1-333
Schmerling, E. R.
  Ten-point method of ionogram reduction, 19.2-379
Schmid, P. E.
  Lunar far-side communication satellites, 19.11-605
Schmid, Paul
  On "Grossversuch III," a randomized hail suppression experiment in Switzerland, 19.8-212
  Results of a large-scale rain stimulation experiment on the southern slopes of the Alps (*with* **Thams, J. C.**), 19.3-134
Schmidlin, F. J., *see* **Bettle, J. F.**, 19.10-95
Schmidt, Berlie L., *see* **Drullinger, R. H.**, 19.10-373
Schmidt, Bernhard, *see* **Kampf, W. D.**, 19.10-151
Schmidt, Herbert
  Ein Aktivitaetsmass fuer die fluktuierenden Ortsgradienten des geomagnetischen Feldes [Activity index for the fluctuating local gradients of the Earth's magnetic field], 19.7-605
Schmidt, Ibo
  Die Eulersche Autokorrelationsfunktion in Raum und Zeit, ermittelt aus den Fluktuationen von Rauchfahnen [Eulerian autocorrelation function in space and time obtained from smoke plume fluctuations], 19.6-248
Schmidt, K. H.
  Interstellar dust and the H_2 molecule, 19.11-40
Schmidt-Holthausen, Hans Joachim
  Experiences in the storage of useful dusts, 19.7-81
Schminder, R., *see* **Sprenger, K.**, 19.5-423; 19.12-509
Schmuck, A.
  Wazniejsze problemy hydrometeorologiczne Zakaukazji: wrazenia z podrozy naukowej [The principal hydrometeorological problems in Transcaucasia: impressions from a scientific journey], 19.11-711
Schneider, G. R.
  Nucleation and growth of ice crystals (*with others*), 19.10-772
Schneider, Maximilian, *see* **Germany (Federal Republic). Deutscher Wetterdienst**, 19.7-44
Schneider, Otto
  Investigacion actual de la aurora austral, 19.1-400
Schnitter, Nicholas J., *see* **Garbrecht, G.**, 19.10-41
Schoenbach, Karlheinz, *see* **Fischer, H.**, 19.12-270
Schoenbaechler, M.
  Beziehung zwischen Strahlungsbilanz und Ablation des Aletschgletschers (vorlaeufige Ergebnisse) [Relationship between radiation balance and ablation of the Aletsch Glacier (preliminary results)], 19.5-213
Schoettle, Volkmar, *see* **Russell, T. L.**, 19.5-635
Schomaker, C. E.
  Solar radiation measurements under a spruce and a birch canopy during May and June, 19.7-314
Schoute-Vanneck, C. A.
  Magnetospheric propagation of v.l.f. waves from France to South Africa (*with* **Mezher, G. C.**), 19.4-558
  27 KHz atmospherics observed at sunset and sunrise in South Africa (*with* **Wright, A. G.**), 19.8-493
Schram, Karin
  Temperature of physically well-defined bodies under the influence of various meteorological elements (*with* **Thams, J. C.**), 19.12-236
  See also **International Congress on Alpine Meteorology, 9th, Brig, Switzerland, Sept. 1966**, 19.6-24
Schreiber, Joseph F., Jr.
  Inventory of research on desert coastal zones, 19.11-503
Schroeder, M.
  Lysimeterungersuchungen an Standorten mit oberflaechennahem Grundwasser [Lysimeter measurements on places with high ground water levels] (*with* **Rakosi, D.**), 19.12-809
Schroeder, Mark J.
  Marine air invasion of the Pacific Coast: a problem analysis (*with others*), 19.4-239
Schroeder, Wilfried
  Analyse der taeglichen Haeufigkeit der Leuchtenden Nachtwolken [Analysis of the daily frequency of noctilucent clouds], 19.9-561
  Die Entfaltung der Leuchtenden Nachtwolke vom 4.7, 1967 [Development of noctilucent clouds on July 4, 1967], 19.6-463
  Ergaenzende Mitteilung ueber Leuchtende Nachtwolken in Deutschland [Additional information on noctilucent clouds in Germany], 19.6-464
  Katalog deutscher Polarlichtbeobachtungen fuer die Jahre 1882-1956 [Catalog of German auroral observations for 1882-1956], 19.1-401
  Mesosphaerische Zirkulation und leuchtende Nachtwolken [Mesospheric circulation and noctilucent clouds], 19.9-285
  Ueber die geographische Ausbreitung der Leuchtenden Nachwolken [Geographic distribution of noctilucent clouds], 19.6-465
  Ueber die Haeufigkeit der leuchtenden Nachtwolken in Deutschland [Frequency of noctilucent clouds in Germany], 19.4-388
  Zur geographischen Haeufigkeit der leuchtenden Nachtwolken [Geographic frequency of noctilucent clouds], 19.10-492
Schroers, Hans
  Ein digitales Anemometer nach dem Prinzip der Laufzeitmessung von Waermeimpulsen [Digital anemometer operating on the principle of measuring the time of passage of heat impulses], 19.7-149
Schubert, G.
  Double shock wave structure in the solar wind (*with* **Cummings, W. D.**), 19.2-467

See also **Haensch, W.,** 19.1-294
Schueepp, M., *see* **Fliri, F.,** 19.5-200
Schueepp, Walter
Rayonnement (Tiros IV) et pluviosite au Congo, 19.12-237
Rayonnement et trouble atmospherique en regions equatoriales, 19.5-16
Schufle, J. A.
Behavior of water in various states, 19.3-634
Schulman, Elliott E.
Baroclinic instability of a mid-ocean circulation, 19.5-659
Schulte, Harry F.
Monitoring airborne radioactivity, 19.11-170
Schultz, Gert A.
Derzeitiger Stand internationaler hydrologischer Forschung: Eindruecke von zwei internationalen Hydrologie-Symposien [Timely position of international hydrological research: impressions of two international hydrological symposiums], 19.11-783
Schultz-Grunow, F.
Stability of Couette flow with stabilizing centrifugal forces, 19.10-244
Schulze, F. E.
Rainfall and rainfall excess, 19.8-22
Schulze, Rudolf
Zur Gesamtbestrahlungsstaerke und spektralen Verteilung der Sonnenstrahlung [Total irradiation intensity and spectral distribution of solar radiation], 19.3-205
Schumm, S. A.
Rates of surficial rock creep on hillslopes in western Colorado, 19.5-742
Schwartz, Judah, *see* **Iben, I., Jr.,** 19.5-447
Schwartz, Sandra, *see* **Wildt, R.,** 19.9-358
Schwarz, F. K.
[Comments on] F. Sanders and D. A. Olson: Release of latent heat of condensation in a simple precipitation forecast model, 19.8-314
Role of persistence, instability, and moisture in the intense rainstorms in eastern Colorado, June 14-17, 1965, 19.3-295
Schwarz, U.
Aeronautical meteorology and the fifth Air Navigation Conference, 19.4-8
Schwegler, H.
Die meteorologische Lage Muenchens im Hinblick auf die Verunreinigung der Atemluft [Meteorological location of Munich with regard to air pollution], 19.7-233
Schweig, Z.
Optimal control of linked reservoirs (*with* **Cole, J. A.**), 19.12-805
Schwenke, T. W.
Development of an improved land-surface fallout model, Pt. 2 (*with others*), 19.1-6
Schwerdtfeger, Peter
Automatic gauge for measuring sea-ice thickness, 19.7-761
See also **Weller, G.,** 19.12-232
Schwerdtfeger, Werner
Seasonal changes of atmospheric mass over the Antarctic Continent, 19.4-219
See also **Kutzbach, G.,** 19.12-262; **Lettau, H. H.,** 19.4-297
Schytt, Valter
Notes on glaciological activities in Kebnekaise, Sweden during 1965, 19.4-730
Study of "ablation gradient", 19.6-721
Sciama, D. W., *see* **Stewart, J. M.,** 19.7-648; **Storer, S. H.,** 19.8-690
Sclater, J. G.
Topography and heat flow of the Fiji Plateau (*with* **Menard, H. W.**), 19.5-689
Scoggins, J. R., *see* **De Mandel, R. E.,** 19.11-402
Scorer, Richard S.
Air pollution problems at a proposed Merseyside chemical fertilizer plant: a case study, 19.7-234
Cloud studies in colour (*with* **Wexler, H.**), 19.10-409
See also **Joerg, O.,** 19.5-170
Scott, Diana W.
Effect of geographical distribution of observations on orbital accuracy (*with* **Warren, D. H. D.**), 19.7-634
See also **Cook, G. E.,** 19.4-173; **King-Hele, D. G.,** 19.2-254; 19.4-190; 19.8-253; 19.11-600
Scott, Elizabeth L., *see* **Neyman, J.,** 19.8-206 to 209
Scott, H. D., *see* **Chapman, R. P.,** 19.6-700
Scott, L. A., *see* **Morgan, K. A.,** 19.4-613
Scott, M. I.
Moored ocean platforms (*with* **Parsey, M. R.**), 19.7-728
Scott, R. F.
Soil mechanics surface sampler: lunar surface tests, results, and analyses (*with* **Roberson, F. I.**), 19.11-641
Scott, W. D., *see* **Burrows, D. A.,** 19.5-388
Scott, William T.
Analytic studies of cloud droplet coalescence, Pt. 1, 19.2-276
[Comments on] M. Warshaw: Cloud droplet coalescence: statistical foundations and a one-dimensional sedimentation model (*with* **Berry, E. X.**), 19.5-292
On the connection between the Telford and kinetic-equation approaches to droplet coalescence theory, 19.12-332
Scott Polar Research Institute, Cambridge, Eng.
Recent polar literature, 19.9-77
Scotto, V., *see* **Giorgi, M.,** 19.9-629; **Stocchino, C.,** 19.9-759
Scragg, A.
Hundred years of meteorology at Shoeburyness, 19.10-40
Scruton, C., *see* **Symposium on Wind Effects on Buildings and Structures, 3rd, Loughborough, Eng., April 1968,** 19.11-36
Sealey, Antony F.
Further note on the storm-glass, 19.5-139
Sealy, Kenneth R.
Geography of air transport, 19.11-81
Seaman, R. S., *see* **Maine, R.,** 19.6-166; 19.12-64
Seamans, Robert C., Jr.
Relationship between the national space program and the oceanography program, 19.4-600

Searle, Leonard, *see* **Sargent, W. L. W.,** 19.11-686

Sears, Robert D.
  Low latitude airglow variations 1962-1965, 19.3-418

Seashore, C. R., *see* **TenBroek, H. W.,** 19.10-359

Sebekin, B. I.
  Difraktsiia poverkhnostnykh voln na kline [Diffraction of surface waves by a wedge] [and Eng. transl.], 19.1-573

Sechrist, C. F., Jr.
  Interpretation of pre-sunrise electron densities and negative ions in the D-region, 19.9-604

Seckel, Gunter R.
  Time-sequence oceanographic investigation in the North Pacific Trade-wind Zone, 19.8-713
  See also **Charnell, R. L.,** 19.5-620

Secretan, L., *see* **Berg, O. E.,** 19.1-464

Sedova, F. I.
  K mikrostrukture geomagnitnykh bur' [Microstructure of geomagnetic storms], 19.9-633
  Nekotorye zakonomernosti poiavleniia kolebanii s periodami do 10 sek v elektromagnitnom pole zemli [Some regularities in the occurrence of oscillations with periods up to 10 sec in the Earth's electromagnetic field], 19.3-483

Sedunov, Iu. S., *see* **Aleksandrov, E. L.,** 19.1-287; 19.5-284; **Klepikova, N. V.,** 19.8-231; **Levin, L. M.,** 19.5-278; 19.5-287, 290; 19.12-337; **Volkovitskii, O. A.,** 19.11-316

Seelinger, P. E.
  Oceanographic data collection system (*with others*), 19.3-626

Seemuller, William W.
  Modern lightning discharge counter (*with* **Zegel, F. H.**), 19.12-99

Seesholtz, John R.
  Field investigation of air flow immediately above ocean surface waves, 19.11-11

Seginer, Ido
  Net losses in sprinkler irrigation, 19.1-316

Sehgal, S. R., *see* **Uppal, H. L.,** 19.6-775

Sehgal, U. N., *see* **Subramanian, D. V.,** 19.4-80

Seidel, H., *see* **Dietze, G.,** 19.11-263

Seidman, J. B., *see* **Fried, D. L.,** 19.3-362

Seikel, George R., *see* **Sovie, R. J.,** 19.3-518

Seiler, W.
  Entwicklung eines Messverfahrens zur Bestimmung kleiner Mengen Kohlenoxid (CO) [Development of a measurement technique for determining small amounts of carbonmonoxide (CO)] (*with* **Junge, C.**), 19.7-163

Seilkopf, H.
  Etwas ueber neue Vorhersage-Methoden und gute alte Wetterregeln [Some remarks on new forecasting methods and the good old weather rules], 19.4-144

Seim, Sandra E., *see* **LaViolette, P. E.,** 19.10-722

Seino, Zenbei, *see* **Ishida, K.,** 19.10-116

Seinova, I. B.
  Prichiny selevoi aktivnosti v basseine r. Gerkhozhan-Su [Causes of mud flow activity in the basin of the Gerkhozhan-Su] (*with* **Rubtsov, E. A.**), 19.9-823

Sekanina, Z.
  Dynamics of Comet Alcock 1963 III and its enhanced activity, 19.11-669
  Motion, splitting and photometry of Comet Wirtanen 1957 VI, 19.12-614

Sekera, Zdenek
  Chapman function for an atmosphere with a constant temperature gradient, 19.12-449
  Introduction to multiple scattering problems, 19.9-378

Sekerzh-Zen'kovich, S. Ia.
  Difraktsiia ploskikh voln na kruglom ostrove [Diffraction of plane waves by a circular island] [and Eng. transl.], 19.7-754

Sekihara, Kyo
  Solar radiation and duration of sunshine in Japan (*with* **Suzuki, M.**), 19.2-201

Selected Water Resources Abstracts, Vol. 1, No. 1, 19.11-58

Selfridge, S. W.
  Three-dimensional digital ocean climatology for the western North Atlantic (*with* **Woodworth, W. C.** and **Richards, K. G.**), 19.10-725

Seliga, Thomas A.
  Ionospheric research, 19.4-447

Selvam, M. Mary, *see* **Sivaramakrishnan, M. V.,** 19.4-349

Semenchenko, I. V., *see* **Kozlianinov, M. V.,** 19.4-631

Semenov, E. K.
  Tropicheskie tsiklony iuzhnogo polushariia [Tropical cyclones of the Southern Hemisphere], 19.2-174

Semenov, O. E., *see* **Uteshev, A. S.,** 19.10-372

Semenov, V. A.
  Raspredelenie snezhnogo pokrova v basseinakh ozer Balkhash-Alakol'skoi vpadiny [Distribution of snow cover in lake catchments of the Balkhash-Alakol' Depression], 19.12-413

Semenov, Viktor Gavrilovich, *see* **Burlutskii, R. F.,** 19.2-2

Semonin, R. G., *see* **Bradley, W. E.,** 19.4-396; 19.11-520

Sen, A. K.
  Pearl-type geomagnetic oscillations, 19.7-601

Sen, Hari K.
  Electric field in the ionosphere: a theory of its origin and effect, 19.10-554

Sen Gupta, N. D.
  On the motion of a charged particle in a magnetic field, 19.3-531

Sen'ko, E. E.
  Ekskhaliatsiia torona i soderzhanie ego v atmosphere [Thoron exhalation and its content in the atmosphere] [and Eng. transl.], 19.4-140

Senn, H. V.
  Radar hurricane research, Sept. 1, 1966-Aug. 31, 1967, 19.2-175

Sen Roy, N.
  403 mc/s radiosonde receiver (*with* **Prakash, S.**), 19.4-112

Senshu, Toshio, *see* **Hino, M.,** 19.10-330

Seppaenen, Maunu
  Average depth of snow in undulating land in Finland, 19.10-439

- **Serafimov, K. B.**
  - Aspects of the winter anomaly in the ionospheric E-layer (*with* **Samardzhiev, D. T.**), 19.1-386
  - Effect of superposition of two excessive solar radiations in middle ionosphere (*with* **Krivsky, L.**), 19.3-398
  - Ob opredelenii nachal'noi vysoty ionosfery [Determination of the height of the beginning of the ionosphere] (*with* **Danilkin, N. P.**) [and Eng. transl.], 19.1-387
  - Seasonal changes in the appearance of E2 layer (*with* **Petkova, L.**), 19.5-420
  - *See also* **Kasymova, A. G.**, 19.5-409; **Krivsky, L.**, 19.4-431; **Samardzhiev, D. T.**, 19.1-385
- **Serban, Al**
  - Actiunea schimbarilor de vreme asupra biosintezei hormonilor steroizi si mecanismul acestui fenomen [Weather change impact on the biosynthesis of steroid hormones and the mechanism of this phenomenon], 19.11-361
  - Cercetari asupra unor factori meteorologici care favorizeaza cresterea letalitatii naturale [Inquiry into certain meteorological factors increasing natural mortality] (*with* **Stoica, D.** and **Mararu, M.**), 19.11-91
- **Serber, Robert**
  - Memorial to Oppenheimer (*with others*), 19.4-25
- **Serebreny, Sidney M.**
  - Detection of cloud displacement using video techniques (*with others*), 19.7-395
  - *See also* **Blackmer, R. H., Jr.**, 19.3-76; **Viezee, W.**, 19.2-255; **Wiegman, E. J.**, 19.7-383 to 385
- **Serebriakov, A. V.**
  - Osnovnye zakonomernosti prilivo-otlivnykh iavlenii v ust'iakh rek [Fundamental regularities of ebb and flow phenomena in river estuaries], 19.10-767
- **Serebriannyi, L. R.**
  - Kogda rastaiali l'dy na Russkoi ravnine? [When has the ice cover melted on the Russian Plain?], 19.5-737
- **Sereda, E. M.**, *see* **Konopleva, V. P.**, 19.9-697
- **Sergeeva, A. N.**
  - Spectral studies of the lunar surface [Transl. from Russ.], 19.6-597
- **Sergeeva, G. G.**
  - Wind distribution characteristics over Antarctica (*with* **Sokolov, S. I.**) [Transl. from Russ.], 19.3-234
  - *See also* **Zav'ialova, I. N.**, 19.11-420
- **Serikov, M. I.**
  - Plotnost' i solenost' morskogo l'da v Mirnom [Density and salinity of the sea ice in Mirny], 19.4-710
- **Serov, A.**
  - Arrivee d'une station automatique sur Venus, 19.10-684
- **Serova, N. V.**
  - Sravnenie sostavliaiushchikh teplovogo balansa vodokhranilishcha i isparitel'nogo basseina [Comparison of the heat balance components of a reservoir and evaporation basin], 19.1-176
  - *See also* **Borovkova, T. N.**, 19.1-77
- **Serra, Adalberto B.**
  - Equatorial climatology, 19.11-339
- **Serra, Antonio**, *see* **Mattana, N.**, 19.4-303
- **Seshadri, V. R.**, *see* **Saxena, S. P.**, 19.4-295
- **Severnyi, A. B.**
  - Fine structure of solar magnetic fields, 19.3-597
  - Issledovanie obshchego magnitnogo polia solntsa [An investigation of the general magnetic field of the Sun], 19.7-697
  - Kalibrovka signalov magnitnogo polia solnechnogo magnitografa [Calibration of the records of a solar magnetograph], 19.12-622
  - *See also* **Dimov, N. A.**, 19.6-30; **Prokof'ev, V. K.**, 19.12-632
- **Severskii, I. V.**, *see* **Sosedov, I. S.**, 19.3-330
- **Severson, James O.**, *see* **Sullivan, W. G., Jr.**, 19.1-120
- **Seward, F.**
  - Diffuse cosmic X-ray background between 4 and 40 KeV (*with others*), 19.6-582
- **Sewell, J. I.**, *see* **Diaz, G.**, 19.7-396
- **Sewell, W. R.**
  - Emerging problems in the management of atmospheric resources: the role of social science research, 19.10-181
- **Sgibneva, L. A.**
  - Raschet prilivnykh techenii v zhidkosti s treniem [Computation of tidal currents in a fluid with friction] [and Eng. transl.], 19.6-693
- **Shabanov, P. F.**
  - Opyt opredeleniia zhidkogo stoka s firnovykh polei lednikov [Experience in the determination of liquid runoff from glacier firns], 19.8-754
  - *See also* **Makarevich, K. G.**, 19.8-753
- **Shackleton, Nicholas J.**
  - Correlation between marine and terrestrial Pleistocene successions (*with* **Turner, C.**), 19.7-454
  - Depth of pelagic foraminifera and isotopic changes in Pleistocene oceans, 19.12-437
- **Shafer, Iu. G.**
  - Studies of variations in the primary cosmic radiation [Transl. from Russ.], 19.1-15
- **Shafrir, Uri**
  - Conversion of collection data to micrometeorite fluxes, 19.8-634
  - Dynamical interaction of small interplanetary particles with the Earth's upper atmosphere (*with* **Humi, M.**), 19.8-472
  - *See also* **Yaniv, A.**, 19.7-677
- **Shahrokhi, F.**
  - Mie-scattering function (*with* **Wolf, P.**), 19.8-340
- **Shakeshaft, J. R.**
  - Microwave background in a steady state universe (*with* **Webster, A. S.**), 19.10-669
  - *See also* **Howell, T. F.**, 19.4-182; 19.7-646
- **Shakhanova, T. V.**
  - Rezul'taty issledovanii vneshnego teplovogo balansa Atlanticheskogo okeana [Results of investigations of the surface thermal balance of the Atlantic Ocean] (*with* **Shutova, E. N.**), 19.4-678
  - Rezul'taty issledovanii vneshnego teplovogo balansa Chernogo moria na nis "Mikhail Lomonosov" [Results of investigations of the

surface thermal balance of the Black Sea on the R/V "Mikhail Lomonosov"] (*with* **Shutova, E. N.**), 19.5-684
Shakina, N. P., *see* **Dobryshman, E. M.**, 19.9-445
Shamont'ev, V. A.
O vliianii zimnikh gidrologicheskikh uslovii na nekotorye elementy gidrologicheskogo rezhima Chukotskogo moria v navigatsionnom sezone [Influence of winter hydrological conditions on some elements of the hydrological regime of the Chuckchee Sea during the navigation season] [and Eng. transl.], 19.6-683
Shamos, Morris H., *see* **Liboff, A. R.**, 19.9-567
Shanklin, Milton D., *see* **Pochop, L. O.**, 19.10-291
Shannon, John P., *see* **Harlow, F. H.**, 19.7-378
Shannon, John W.
Use of atmometers in estimating evapotranspiration, 19.7-152
Shapiro, A.
Lunar radius from radar measurements (*with others*), 19.11-635
Shapiro, B. S.
Elektronnaia temperatura v maksimume sloia F2 [Electron temperature in the F2 layer maximum] (*with* **Potapova, N. I.**) [and Eng. transl.], 19.7-534
Vysoty nochnoi oblasti F vo vremia intensivnykh magnitno-ionosfernykh bur' MGG i MGSS [Heights of the nighttime F-region during intense magneto-ionospheric storms of IGY and IQSY] (*with* **Shashun'kina, V. M.**) [and Eng. transl.], 19.5-421
See also **Potapova, N. I.**, 19.1-384; **Smirnov, V. I.**, 19.9-321
Shapiro, Irwin I.
Earth's dust belt: fact or fiction? Pts. 1-4 (*with* **Lautman, D. A.** and **Colombo, G.**), 19.1-148
Shapiro, N. B., *see* **Mikhailova, E. N.**, 19.3-651; 19.4-662, 701
Shapiro, Ralph
Interpretation of the subsidiary peaks at periods near 27 days in power spectra of geomagnetic disturbance indices, 19.4-523
Shapkina, V. F., *see* **Beliaev, V. I.**, 19.4-633
Shapley, A. H.
Relations between stratosphere and mesosphere, 19.11-278
World days, 19.9-158
Shaposhnikova, M. I.
Nestatsionarnaia nelineinaia zadacha o brize v ustoichivo stratifitsirovannoi atmosfere [Nonstationary non-linear problem of breeze in a stable stratified atmosphere] (*with* **Lykosov, V. N.** and **Gutman, L. N.**) [and Eng. transl.], 19.12-178
Sharaf El Din, S. H., *see* **Bowden, K. F.**, 19.5-701
Shardanand, –
Absorption coefficients of O4 at oxygen windows, 19.2-214
Sharenow, Moses
All zone meteorological balloons, 19.4-99
Sharma, B. L.
Hailstorms near Nagpur: a radar study, 19.4-360
Sharma, G. S.
Fisheries and weather, 19.4-165
Sharma, K. K.
Gustiness and temperature at Nagpur, 19.4-260
See also **Banerjee, A. K.**, 19.4-269
Sharma, R. P.
Lunar tides at fixed real heights in the ionosphere over Ahmedabad (*with* **Rastogi, R. G.**), 19.4-448
Lunar tides in noon electron density at fixed real heights in the ionosphere over Puerto Rico and Huancayo (*with* **Rastogi, R. G.**), 19.7-533
Sharov, Vl.
Kum teoriiata za izmenenieto na atmosfernoto naliagane [Theory of atmospheric pressure changes], 19.2-231
Sharp, A. L.
Development of a procedure for estimating the effects of land and watershed treatment on streamflow (*with* **Gibbs, A. E.** and **Owen, W. J.**), 19.3-701
See also **Burgy, R. H.**, 19.7-812
Sharp, Alan
Moonrock: a reappraisal, 19.5-555
Sharp, G. W.
Molecular and atomic ion concentration latitudinal variations (*with* **Knudsen, W. C.** and **Harris, K. K.**), 19.9-605
See also **Harris, K. K.**, 19.4-422
Sharp, R. D.
Some average properties of auroral electron precipitation as determined from satellite observations (*with* **Johnson, R. G.**), 19.7-554
Systematics observed in the energy and angular distributions of auroral electrons (*with* **Johnson, R. G.**), 19.10-570
See also **Romick, G. J.**, 19.1-403
Sharp, Robert P., *see* **Epstein, S.**, 19.2-299
Sharpe, John H., *see* **O'Bryant, R.**, 19.10-96
Shashko, Daniil Ivanovich
Agroklimaticheskoe raionirovanie SSSR [Agroclimatic zoning of the U.S.S.R.], 19.2-12
Shashun'kina, V. M., *see* **Shapiro, B. S.**, 19.5-421
Shattles, D. E., *see* **Newcombe, R., Jr.**, 19.11-14
Shaviv, G., *see* **Chitre, S. M.**, 19.4-588
Shavrin, P. I.
Dozimetricheskie izmereniia na bortu sputnika "Kosmos-110" [Dosimetric measurements aboard "Cosmos-110" satellite] (*with others*) [and Eng. transl.], 19.6-137
See also **Tverskaia, L. V.**, 19.5-522
Shaw, David M., *see* **Donn, W. L.**, 19.6-285
Shaw, Glenn E.
Background cosmic count increase associated with thunderstorms [Discussion by H. R. Anderson and A. A. Few], 19.11-551
Shaw, Lawrence H.
Perspective in estimating the effects of weather: comment, 19.8-462
Shaw, R. F.
Meteorological glossary of terms used by forecasters in Hawaii, 19.7-47
Shaw, Robert H.
Ground level climatology (*ed.*), 19.7-23
Research on open-pan evaporation in Central Iowa (*with* **Vaughan, H. C.**), 19.11-430
See also **Fritton, D. D.**, 19.8-403

- **Shchebreneva, N. A.,** *see* **Piguzova, V. M.,** 19.3-696
- **Shcheglova, O. P.**
  - Ob odnom vazhnom napravlenii v gidrologicheskom izuchenii Srednei Azii [An important trend in the hydrological exploration of Central Asia], 19.3-299
- **Shchepetnov, R. V.**
  - Statisticheskie issledovaniia zavisimost amplitudy ustoichivykh kolebanii tipa Pc ot fazy luny [Statistical investigations of the dependence of the amplitude of Pc-type stable oscillations on a lunar phase] [and Eng. transl.], 19.5-499
  - *See also* **Troitskaia, V. A.,** 19.3-484
- **Shchepkin, L. A.**
  - Ravnovesnyi sloi F1 pri nizkoi solnechnoi aktivnosti [F1-equilibrium layer during low solar activity] [and Eng. transl.], 19.1-389
- **Shcherba, I. A.,** *see* **Riazanova, L. A.,** 19.10-206; 19.12-267; **Trubnikov, B. N.,** 19.10-200
- **Shcherbak, A. V.**
  - K voprosu ob isparenii so snezhnogo pokrova v Karpatakh v vesenii period [Evaporation from snow cover of the Carpathians in spring], 19.9-480
  - O pitanii rek basseina r. Dnestra v vesennii period [Feeding of rivers of the Dnestr River basin in spring], 19.9-832
  - Vesennii stok rek vostochnykh sklonov Karpat i Podolii [Spring river flow of the eastern slopes of the Carpathians and of Padolia], 19.9-829
- **Shcherbakov, M. P.**
  - Opyt lavinnogo raionirovaniia territorii Kirgizii [Experience in avalanche zoning of Kirghiz Territory], 19.5-328
- **Shchetinnikov, A. S.**
  - Abliatsiia na lednike Barkrak Srednii [Ablation on the Central Barkrak glacier], 19.12-775
- **Shea, M. A.**
  - Supplement to IQSY Instruction Manual No. 10, Cosmic Ray Tables (*with others*), 19.9-40
- **Sheddy, C. H.**
  - General analytic solution for reflection from a sharply bounded anisotropic ionosphere, 19.12-508
- **Shefov, N. N.**
  - Behaviour of upper atmosphere emissions during high meteoric activity, 19.7-476
  - Hydrogen and hydroxyl emissions in the nightglow (*with* **Truttse, Iu. L.**), 19.10-584
- **Shekhter, F. N.**
  - K voprosu o ravnovesnom gradiente [Equilibrium gradient] [and Eng. transl.], 19.1-253
- **Shekhtman, A. N.**
  - Dal'nost' vidimosti dnem nad Okotskim i Beringovym moriami [Visibility during daytime over the Okhotsk and Bering Sea] (*with* **Glazova, O. P.**), 19.9-549
  - Gidrometeorologicheskie usloviia obledeneniia sudov [Hydrometeorological conditions of icing of ships], 19.10-405
- **Shelepova, G. S.,** *see* **Kharshan, A. A.,** 19.3-112
- **Sheliagin, V. A.,** *see* **Liubimova, E. A.,** 19.8-763
- **Shellard, H. C.**
  - Winter of 1962-63 in the United Kingdom: a climatological survey, 19.11-135
- **Shelton, C. H.,** *see* **Diaz, G.,** 19.7-396
- **Sheludiakova, R. M.,** *see* **Lichikaki, V. M.,** 19.2-226
- **Shelud'ko, N. G.,** *see* **Oleinik, R. N.,** 19.11-85
- **Shemdin, Omar H.**
  - Dynamics of wind in the vicinity of progressive waves (*with* **Hsu, E. Y.**), 19.10-245
- **Shen, C. S.**
  - Solar modulation of galactic cosmic rays and its effect on meteorites (*with* **White, R. K.**), 19.12-524
- **Shen, William C.**
  - Antarctic stratospheric warmings during 1963 revealed by 15-μ TIROS VII data (*with* **Nicholas, G. W.** and **Belmont, A. D.**), 19.8-364
  - *See also* **Belmont, A. D.,** 19.7-327; 19.9-272; **Kutzbach, J. E.,** 19.11-323
- **Shenk, William E.**
  - Determination of the 500-mb circulation over Northern Hemispheric oceans from satellite and conventional surface measurements, 19.1-183
- **Shenoy, R. C.**
  - Time-distribution of storm rainfall for design flood (*with* **Chopra, S. D.**), 19.6-409
- **Shephard, F. P.**
  - Carbon-14 determination of sea level changes in stable areas (*with* **Curray, J. R.**), 19.6-655
- **Shepherd, G. G.,** *see* **Mueller, J. R.,** 19.10-569
- **Sheppard, P. A.**
  - Global atmospheric research, 19.12-34
  - *See also* **Royal Society of London,** 19.12-37
- **Sheremetevskaia, O. I.,** *see* **Smirnova, K. I.,** 19.11-202
- **Sheridan, K. V.,** *see* **Wild, J. P.,** 19.12-646
- **Sherk, L. C.,** *see* **Ouellet, C. E.,** 19.1-52
- **Sherman, E. E.,** *see* **Raspletina, G. F.,** 19.4-746
- **Sherman, George C.**
  - Scattering of coherent and incoherent light by latex hydrosols (*with others*), 19.8-466
- **Sherman, J. C.**
  - Alfven's critical velocity hypothesis, 19.9-664
- **Sherr, Paul E.,** *see* **Rogers, C. W.,** 19.2-171
- **Sherwood, G. E.,** *see* **Moser, E. H.,** 19.12-408
- **Shesterikov, N. P.**
  - O pogloshchenii solnechnoi radiatsii l'dom pod snezhnitsei [Solar radiation absorption by ice under melt water], 19.4-255
  - Pogloshchenie solnechnoi radiatsii morskim l'dom [Absorption of solar radiation by sea ice], 19.2-213
- **Shestoperov, V. Ia.,** *see* **Grigorov, N. L.,** 19.6-523
- **Shevchenko, N. Ia.**
  - Sroki seva kukuruzy na Ukraine [Dates for sowing maize in the Ukraine], 19.2-55
- **Shevnin, A. D.,** *see* **Starkov, G. V.,** 19.10-637
- **Shi, Yong-nia**
  - Experiment on the quantitative description of climatic element field by orthogonal functions [Transl. from Chinese], 19.2-307
- **Shibaoka, Yoshio**
  - On the free oscillation of water in a circular lake with paraboloidal base, Pt. 1, 19.5-748

Shifrin, Kusiel' Solomonovich
Contribution to the theory of optical methods of atmospheric aerosol investigation (*with* **Raskin, V. F.**) [Transl. from Russ.], 19.9-201
Indikatrisy rasseianiia santimetrovoi radiatsii kapliami vody [Scattering indices of centimeter radiation by water droplets] (*with* **Cherniak, M. M.**), 19.1-308
Method and device for determining the microstructure of clouds and fogs (*with* **Golikov, V. I.**) [Transl. from Russ.], 19.9-187
Nekotorye svoistva indikatris dlia obobshchennogo raspredeleniia Iunge [Some properties of indices for a generalized Jung distribution] (*with* **Raskin, V. F.**), 19.1-336
Rasseianie i oslablenie santimetrovogo izlucheniia kapliami vody [Scattering and attenuation of centimeter radiation by water droplets] (*with* **Cherniak, M. M.**), 19.1-309
Scattering of light in a turbid medium [Transl. from Russ.], 19.6-2
Tablitsy po svetorasseianiiu, tom. 1, Uglovye funktsii [Tables on light scattering, Vol. 1, Angular functions] (*with* **Zel'manovich, I. L.**), 19.6-456
Vliianie amplitudnykh pogreshnostei izmereniia opticheskoi informatsii na tochnost' vychisleniia spektra chastits metodom malykh uglov [Effect of amplitudinal measurement errors of optical information on the accuracy of computing the spectrum of particles by the small angles method] (*with* **Kolmakov, I. B.**), 19.1-149
Vychislenie spektra razmerov chastits po tekushchim i integral'nym znacheniiam indikatrisy v oblasti malykh uglov [Calculation of particle size spectrum by actual and integral values of the small-angle scattering pattern] (*with* **Kolmakov, I. B.**) [and Eng. transl.], 19.11-271
See also **Poliakova, E. A.**, 19.12-448
Shigemoto, Fred H., *see* **Bourquin, K. R.**, 19.10-357
Shih, Wai Guang, *see* **Chao, Y. T.**, 19.6-156
Shih, Yung-nien, *see* **Shi, Yong-nia**
Shil'krot, G. S.
Cherty tipologicheskikh izmenenii Valdaiskogo ozera [Characteristics of typological changes in Lake Valdai], 19.5-746
Istochniki postupleniia biogennykh veshchestv v Valdaiskoe ozero [Sources of the inflow of biogenic matter into Lake Valdai], 19.5-747
Shilov, E. V.
Nekotorye osobennosti izucheniia rasprostraneniia metrovykh radiovoln metodom sverkhdal'nego televizionnogo priema [Some features of the study of propagation of metre radio waves by the method of superdistant television reception] (*with* **Ostrovskii, I. Ia.**), 19.9-115
Shimada, M.
Tornadoes and waterspouts in Japan during 1955-1964, 19.9-348
Shimizu, Masayoshi, *see* **Ishida, K.**, 19.10-116
Shimkevich, G. L., *see* **Baidal, M. Kh.**, 19.10-454
Shingareva, K. B., *see* **Rodionova, Zh. F.**, 19.2-496
Shinojima, Kenji
Study on the visco-elastic deformation of deposited snow, 19.12-414
Shio, Hisashi, *see* **Magono, C.**, 19.11-766
Shiotani, Masao
On the vertical distribution of blowing snow (*with* **Arai, H.**), 19.12-390
Shiposh, N. V., *see* **Kovrova, A. M.**, 19.2-227
Shipulia, O. N., *see* **Dem'ianenko, L. N.**, 19.12-450
Shirke, J. S.
Geomagnetic anomaly in ionospheric absorption at low latitude observed on board USNW Croatan (*with* **Henry, G. W.**), 19.10-555
Shirmammedov, M.
Sviaz' koeffitsienta otrazheniia s parametrami tonkoi struktury otrazhaiushchei oblasti sloia F2 ionosfery [Connection of the reflection coefficient with fine structure parameters of the reflecting region of the ionospheric F2 layer] [and Eng. transl.], 19.2-380
Shirochkov, A. V.
Nekotorye rezul'taty nabliudenii pogloshcheniia poliarnoi shapki 5-7 fevralia 1965 g.v Antarktide [Some results of observations of the polar cap absorption event on Feb. 5-7, 1965 in the Antarctic] [and Eng. transl.], 19.3-399
Shirokov, V. M.
Intensivnost' zaileniia krupnykh iskusstvennykh vodoemov lesostepnoi zony na primere Kuibyshevskogo vodokhranilishcha [Intensity of silting of large artificial reservoirs of a forest-steppe zone based on the Kuibyshev Reservoir], 19.6-787
Shishkin, N. S.
Meteorologicheskie issledovaniia v Argentine [Meteorological investigations in Argentina], 19.3-16
Shishkina, L. D.
Nekotorye kharakteristiki nizkoi sloistoobraznoi oblachnosti pri razlichnykh sinopticheskikh situatsiiakh [Some characteristics of low stratiform cloudiness during various synoptic situations], 19.12-350
Shishkov, V. G.
Prognoz defitsita osadkov v iiune na severe Kazakhstana i iuge Zapadnoi Sibiri [Forecasting precipitation deficiencies in June for northern Kazakhstan and southern West Siberia], 19.12-125
Shishov, V. I.
Anizotropnaia stadiia vspyshki kosmicheskikh luchei 23 fevralia 1956 g [Anisotropic stage of a flare of cosmic radiation of Feb. 23, 1956] [and Eng. transl.], 19.7-578
Ob opredelenii parametrov neodnorodnostei mezhplanetnogo magnitnogo polia po anizotropnoi stadii vspyshek kosmicheskikh luchei [Definition of the parameters of nonhomogeneities of the interplanetary magnetic field based on the anisotropic stage of cosmic rays] [and Eng. transl.], 19.4-498
Ob otsenke velichiny reguliarnogo mezhplanetnogo magnitnogo polia po anizotropnoi stadii vspyshek kosmicheskikh luchei

[Estimation of the value of a regular interplanetary magnetic field by an anisotropic stage of cosmic ray flares] [and Eng. transl.], 19.3-538
Shitara, Hiroshi
Meso- and microclimatology in Japan, 19.1-35
Shkoda, G. I.
Possibility of measuring precipitation over the ocean by the use of radar [Transl. from Russ.], 19.12-68
Shkoliar, L. F., *see* **Kas'ian, N. A.,** 19.4-309
Shkoller, L. Ia., *see* **Kovaleva, T. E.,** 19.11-498
Shkudova, G. Ia.
Uchet vliianiia dna pri raschetakh glubinnoi tsirkuliatsii vod [Consideration of the bottom effect in computations of the abyssal water circulation], 19.4-672
Shleien, B., *see* **Magno, P. J.,** 19.4-202
Shmeter, S. M., *see* **Aleksandrov, V. S.,** 19.9-423; **Pastushkov, R. S.,** 19.11-423
Shmueli, E., *see* **Slatyer, R. O.,** 19.7-97
Shneer, V. S.
Nekotorye osobennosti raboty geomagnitnogo izmeritelia techenii (EMIT) v vysokikh shirotakh [Some features of the operation of a geomagnetic current meter (EMIT) in high latitudes], 19.2-536
Shnitnikov, A. V.
Geograficheskie problemy v klimatologii, gidrologii i gliatsiologii za 50 let [Geographical problems in climatology, hydrology and glaciology during the last 50 years], 19.9-529
Vnutrivekovaia izmenchivost' obshchei uvlazhennosti basseina Ladozhskogo ozera [Intersecular variability of total moistening of the basin of Lake Ladoga], 19.8-770
Shoda, M.
Experimental study of dynamics of avalanches [sic] snow, 19.3-344
Shodin, Leonard F.
Automatic data acquisition system as used by the Physical Oceanography Dept. of the Woods Hole Oceanographic Institution, 19.7-718
Shoemaker, E. M.
Television observations from Surveyor 3 (*with others*), 19.12-588
Shomura, Richard S.
Cruise Report, Research Vessel ANTON BRUUN, Cruise 14, 19.2-529
Shore, Bruce W.
Principles of atomic spectra (*with* **Menzel, D. H.**), 19.12-13
Shoshin, V. M., *see* **Prikhot'ko, G. F.,** 19.3-291
Shoulders, Eugene
Fertilizer application, inherent fruitfulness, and rainfall affect flowering of longleaf pine, 19.6-75
Shouman, A. R.
Exact general solution for the temperature distribution and the composite radiation convection heat exchange along a constant cross-sectional area fin, 19.7-49
Shpaikher, A. O.
Polar hydrological front in the Greenland and Norwegian Seas (*with* **Moretskii, V. N.**) [Transl. from Russ.], 19.1-559
Termicheskie i gidrokhimicheskie kharakteristiki ozera Vanda [Thermal and hydrochemical characteristics of Lake Vanda], 19.2-596
Shpak, I. S.
Water balance of the drained flood plain of the Trubezh River, 1960-1963 (*with* **Zapol'skii, I. A.**) [Transl. from Russ.], 19.2-613
See also **Myshinskii, S. A.,** 19.1-600
Shtefan, N. D.
Raschet seishevykh skorostei v vodoemakh so slozhnym rel'efom dna [Calculation of seiche velocities in cisterns with a complicated bottom contour], 19.3-692
Shtein, D. B.
Vodnyi balans Gor'kovskogo vodokhranilishcha [Water balance of the Gorki Reservoir], 19.5-283
Shtein, E. I.
K voprosu opredeleniia skorosti vetra nad vodoemom po dannym beregovykh punktov [Determination of wind velocity over reservoirs based on data from shore stations] (*with* **Tsvetkova, D. I.** and **Iaroslavtsev, N. A.**), 19.5-240
Shteinbakh, B. V.
O raschete techenii pri ustoichivom vetre na Rizhskom vzmor'e [Computation of currents during stable winds in the littoral area of the Gulf of Riga], 19.9-457
Shtokman, V. B.
Razvitie teorii morskoi i okeanicheskoi tsirkuliatsii v SSSR za 50 let [Development of the theory of oceanic and sea circulation in the U.S.S.R. for 50 years] [and Eng. transl.], 19.5-660
Shuiskaia, F. K.
Nabliudenie poliarnogo siianiia 11 fevralia 1958 g na st. Roshchino [Observation of aurora on Feb. 11, 1958, at Roshchino station], 19.1-348
Shukla, Jagadish
Objective method of forecasting pentad rainfall anomaly in Konkan coast during July, 19.6-177
Shuleikin, V. V.
K teorii krutykh voln [Theory of steep waves] [and Eng. transl.], 19.12-712
Raschet vikhrevykh tokov v more so slozhnym rel'efom dna [Calculation of vortical currents in a sea with a complex bottom relief] [and Eng. transl.], 19.5-676
Sovetskie issledovaniia po teorii vetrovykh voln (K 50-letiiu Sovetskoi vlasti) [Soviet studies on the theory of wind waves (50th anniversary of the Soviet regime)] [and Eng. transl.], 19.5-261
Sviaz' mezhdu klimatom Evropy i perenosom tepla v Atlantike [Connection between the climate of Europe and heat transfer in the Atlantic] [and Eng. transl.], 19.11-510
Tridtsat' piat' let s nachala raboty Chernomorskoi gidrofizicheskoi stantsii [Thirty-five years from the start of operations of the Black Sea Hydrophysical Station], 19.3-607
Shul'gin, Aleksandr Mikhailovich
Klimat pochvy i ego regulirovanie [Soil climate

and its control] [and Eng. transl.], 19.4-5

Shul'gin, I. A.
Spektral'noe raspredelenie priamoi solnechnoi radiatsii v techenie sutok dlia razlichnykh shirot Zemli kak faktor fotomorfogeneza rastenii [Daily spectral distribution of direct solar radiation for different latitudes of the Earth as a factor in photomorphogenesis of plants], 19.6-292

Shul'gina, E. F.
Izmeneniia v gidrokhimicheskom rezhime ozera Donuzlav posle soedineniia ego s morem [Changes in the hydrochemical regime of Donuzlav Lake after union with the sea], 19.7-791

Shuliak, B. A., *see* **Zenkovich, V. P.,** 19.5-700

Shuliakovskii, L. G.
O raschete temperatury sloia peremeshivaniia v ozerakh v period okhlazhdeniia [Calculation of the temperature of the mixing layer in lakes during the cooling period], 19.12-788
Raschet nachala ledostava na rekakh v estestvennykh usloviiakh i v usloviiakh regulirovaniia stoka [Calculation of the start of ice formation in rivers under natural conditions and under conditions of regulated flow] (*with* **Busurina, V. M.**), 19.10-775

Shul'man, L. M.
Influence of dissipation on plasma equilibrium in a magnetic field [Transl. from Russ.], 19.1-441

Shul'ts, G. E.
25 let raboty dobrovol'noi fenologicheskoi seti v sostave Geograficheskogo obshchestva SSSR [25 years of work of the volunteer phenological network of the Geographic Society of the U.S.S.R.], 19.3-66

Shuman, Frederick G.
Numerical weather prediction at the World Weather Center, 19.7-173
Operational six-layer primitive equation model (*with* **Hovermale, J. B.**), 19.12-113

Shumilov, N. A.
O dinamike pokrovnykh lednikov poslednego oledeneniia [Ice sheet dynamics during the last glaciation], 19.1-581

Shumskii, P. A.
Distribution of stress, velocity and temperature in glaciers, 19.11-779

Shupe, M. R., *see* **Harrison, H.,** 19.9-687

Shur, G. N.
Spektr turbulentnosti ustoichivo stratifitsirovannoi atmosfery [Turbulence spectrum of a stably stratified atmosphere], 19.9-436
See also **Vinnichenko, N. K.,** 19.9-431

Shutova, E. N., *see* **Shakhanova, T. V.,** 19.4-678; 19.5-684

Shvarts, Ia. M.
Sporadicheskii sloi E i magnitnaia aktivnost' [Sporadic E-layer and magnetic activity] (*with* **Andreeva, S. I.**) [and Eng. transl.], 19.5-422
See also **Imianitov, I. M.,** 19.9-206

Shvebs, G. I.
Primenenie fotoelektricheskogo printsipa dlia izmereniia mutnosti i krupnosti nanosov [Application of a photoelectric principle for measuring turbidity and coarseness of alluvia], 19.5-752
Regulirovanie poverkhnostnogo stoka metodom polosnogo mul'chirovaniia [Regulation of surface runoff by a method of strip mulching], 19.7-836

Shved, G. M.
Approximation of the single line during the transfer of radiant energy in the upper atmosphere [Transl. from Russ.], 19.7-302
Method of computing the deviation from Kirchhoff's law in the mesosphere for the transfer of radiation in the 15-micron band of carbon dioxide [Transl. from Russ.], 19.7-303
On the heat effect of the 15-micron band of carbon dioxide in the upper atmosphere [Transl. from Russ.], 19.7-304

Shveikin, Iu. V., *see* **Sinaiskaia, T. M.,** 19.10-787

Shvidkovskii, E. G.
Variations saisonnieres dans la stratosphere et la mesosphere des hautes latitudes (*with* **Trubnikov, B.**), 19.6-315

Shwartz, Joseph
Analysis of counterwashers for freeze-distillation desalination (*with others*), 19.10-732

Siddiqui, M. M.
Gram-Charlier series distribution for foF2 and M(3000) F2 (*with* **Ostrow, S. M.**), 19.9-606
Gram-Charlier series distribution for ionospheric F2 layer characteristics (*with* **Ostrow, S. M.**), 19.6-501

Sidel'nikova, T. M., *see* **Glagoleva, M. G.,** 19.11-192

Sidle, Alan B.
Amino acid content of atmospheric precipitation, 19.5-302

Siebert, Manfred
Magnetic activity differences between the two hemispheres following the sector structure of the interplanetary magnetic field, 19.9-634

Siedler, Gerold
Mooring systems used in the eastern Atlantic, 19.1-526

Siegel, Robert
Thermal radiation heat transfer, Vol. 1, Blackbody, electromagnetic theory, and material properties (*with* **Howell, J. R.**), 19.11-340
Transient solidification of a flowing liquid on a cold plate including heat capacities of frozen layer and plate (*with* **Savino, J. M.**), 19.9-801

Sielecki, Anita
Energy-conserving difference scheme for the storm surge equations, 19.8-183

Sienko, M. J.
Darkening of selected metal oxides by hydrogen ion irradiation (*with* **Green, G. N.** and **Cucin, R. L.**), 19.12-589

Sigachev, N. I.
O vliianii kosmicheskogo magnitnogo polia na dvizhenie Zemli i na elementy zemnogo magnetizma [Effect of cosmic magnetic field on the movement of the Earth and on elements of terrestrial magnetism], 19.5-458

Sigillito, V. G.
On a continuous method of approximating solutions of the heat equation, 19.7-42
Silaeva, V. I., *see* **Aleksandrov, V. S.,** 19.9-423
Siletskii, K. N.
Osobennosti teplovogo balansa sul'fatnykh ozer Kulundy [Characteristic features of the heat balance of sulfate lakes of Kulunda], 19.12-789
Raschet ispareniia s poverkhnosti sul'fatnykh vodoemov [Calculation of evaporation from the surface of sulfate reservoirs], 19.12-321
Siliceo, E. Perez, *see* **Perez Siliceo, E.**
Silk, Joseph
Cosmic black-body radiation and galaxy formation, 19.8-694
Silkin, Boris Isackovich
Die Antarktis heute: Ergebnisse zehnjaehriger Forschungen [The Antarctic today: results of ten years of research], 19.4-92
Zemlia i Solntse [Earth and Sun], 19.8-34
Sillen, Lars Gunnar
Gibbs phase rule and marine sediments, 19.12-664
Master variables and activity scales, 19.9-774
Ocean as a chemical system, 19.2-551
See also **Dyrssen, D.,** 19.6-661
Silver, S., *see* **Caton, W. M.,** 19.5-222
Silverman, Bernard A.
Effect of spatial averaging on spectrum estimation, 19.7-273
Silverman, Sam M.
Night visibility (*with* **Taylor, J. B.**), 19.4-31
Simek, M.
Influence of diffusion on the radio determination of meteor velocities, 19.3-575
Simidchiev, Dimitur
Obseg na broiacha za svetkavitsi preporuchan ot WMO, spored informatsiiata na grumotevichna deinost, poluchena ot sinoptichni karti [Range of the lightning counter recommended by WMO according to information on thunderstorm activity obtained from synoptic charts] (*with* **Stanchev, K.**), 19.1-112
Vurkhu stabilnostta na tarirovuchnite danni na radiosondite tip A-22-III pri produlzhitelno sukhranenie [Stability of calibration data of a type A-22-III radiosonde during prolonged storage] (*with* **Kovacheva, N.**), 19.3-93
Simmons, James N.
Rapid recall of data from field experiments in weather modification (*with* **Hirsch, J. H.**), 19.11-210
Simmons, V. P., *see* **Bowen, A. J.,** 19.8-741
Simms, C., *see* **Radley, J.,** 19.4-298
Simnett, G. M.
Primary cosmic ray electrons below 600 MeV, 19.4-499
Simolin, A. V.
Metod opredeleniia mikrokolichestv organicheskogo azota v morskoi vóde po Krogu i Keisu [Method of determining microquantities of organic nitrogen in sea water based on the A. Krogh and A. Keys method] (*with* **Zelenina, T. Iu.**), 19.4-637
Simon, Antal, *see* **Meszaros, E.,** 19.1-167; 19.2-153
Simon, Jozsef, *see* **Barat, J.,** 19.1-239
Simon, P., *see* **Svestka, Z.,** 19.10-703
Simonov, A. I.
Computation of the future salinity of the Sea of Azov and the northern Caspian Sea (*with* **Rodionov, N. A.** and **Zatuchnaia, V. M.**) [Transl. from Russ.], 19.4-677
Simonov, I. M., *see* **Kruchinin, Iu. A.,** 19.3-667
Simons, Daryl B., *see* **Komura, S.,** 19.10-781
Simons, H. H. J.
Zware schade door hagelbui boven Kruisland [Heavy damage caused by a hailstorm over Kruisland], 19.4-361
Simons, W. D.
Effects of temperature on winter runoff, 19.6-308
Simpson, A.
Oscillations of "twin" power transmission lines (*with* **Lawson, T. V.**), 19.12-301
Simpson, Eugene S.
General summary of the state of research on ground-water hydrology in desert environments, 19.12-811
Simpson, J. A., *see* **Murayama, T.,** 19.7-616
Simpson, J. H., *see* **Darbyshire, J.,** 19.10-763
Simpson, Joanne (Starr)
Hurricane modification experiments, 19.9-342
Models of seeding experiments on supercooled and warm cumulus clouds (*with* **Wiggert, V.** and **Mee, T. R.**), 19.11-249
Study of a non-deepening tropical disturbance (*with others*) [Comments by R. B. Carson], 19.9-439
Simpson, John E.
Aerial and radar observations of some sea-breeze fronts, 19.1-260
See also **Rider, G. C.,** 19.9-144
Simpson, Maurice H.
Rain test procedures research, 2nd Report [on] Correlation of dropsize with climatic regions and type of rain, 19.10-430
Simpson, R. H.
Atlantic tropical disturbânces, 1967 (*with others*), 19.8-302
Technical programs of the Regional Center for Tropical Meteorology, 19.9-51
Tracking and observation of hurricanes (*with* **Giraytys, J.**), 19.8-308
Simpson, R. W.
Hydrological investigation of the River Yallahs catchment, 19.12-793
Sims, A. L., *see* **Mueller, E. A.,** 19.4-348; 19.5-76; 19.7-426
Sinaiskaia, T. M.
Asinkhronnost' stoka i vodnye resursy osnovnykh rek raione orosheniia USSR [Non-synchronous runoff and water resources of the main rivers of the irrigated zone of the U.S.S.R.] (*with* **Shveikin, Iu. V.**), 19.10-787
Sinclair, Donald H.
Cryogenic temperature measurement using platinum resistance thermometers (*with* **Terbeek, H. G.** and **Malone, J. H.**), 19.9-175

Sinel'shchikov, V. V.
- Osnovnye itogi i sovremennye problemy agrometeorologicheskikh issledovanii [Main results and contemporary problems of agrometeorological research], 19.9-92

Singer, Irving A.
- Steadiness of the wind, 19.3-228

Singer, S., *see* **Hargreaves, J. K.,** 19.10-631

Singer, S. Fred
- Dust dynamics in the magnetosphere and interplanetary space, 19.10-656
- Microwave detection of precipitation over the surface of the ocean (*with* **Williams, G. F., Jr.**), 19.10-415
- *See also* **Knudsen, W. C.,** 19.10-647; **Nakada, M. P.,** 19.12-547

Singh, Kehar
- Love waves propagated in an axially symmetric heterogeneous layer lying between two homogeneous halfspaces, 19.12-527

Singh, Krishan P.
- Hydrologic design of Ramganga Dam Project, 19.7-837

Singh, Tarlok, *see* **Uppal, H. L.,** 19.5-633

Singler, A.
- Zur Prognose des Tagesganges der kritischen Frequenzen der ionosphaerischen F2-Schicht [Forecasting daily variations of critical frequencies of the ionospheric F2 layer], 19.8-530

Singleton, D. G.
- Morphology of spread-F occurrence over half a sunspot cycle, 19.4-449

Singleton, F.
- International Symposium on Floods and their Computation, Aug. 15-22, 1967, 19.8-794

Sinitsyn, Vasilii Mikhailovich
- Vvedenie v paleoklimatologiiu [Introduction to paleoclimatology], 19.9-12

Sinotin, V. I.
- Gidravlicheskii raschet potoka pod ledianym pokrovom [Hydraulic calculation of flow under an ice cover] (*with* **Genkin, Z. A.**), 19.8-779
- O gidravlicheskom raschete potoka v period dvizheniia v nem l'da [Hydraulic computation of a flow with drifting ice], 19.4-765

Sintsov, V. N.
- Evaporographic image quality, 19.5-130

Siple, George E.
- Geology and ground water of the Savannah River Plant and vicinity South Carolina, 19.5-763

Sirinek, Kenneth, *see* **Hovey, W.,** 19.6-281

Sirotenko, O. D.
- Ispol'zovanie dannykh ob osadkakh v statisticheskikh skhemakh dlia prognozirovaniia urozhainosti sel'oskhoziaistvennykh kul'tur [Use of rainfall data in statistical models in forecasting crop yield], 19.4-166
- *See also* **Kekukh, A. M.,** 19.1-599

Sirotov, K. M.
- O raschete vetrovykh voln v okeane [Calculation of wind waves in the ocean], 19.11-417

Siscoe, G. L.
- Shock-aligned magnetic oscillations in the magnetosheath: Marine 4 (*with others*), 19.4-513
- *See also* **Lazarus, A. J.,** 19.7-613

Sissenwine, Norman
- Midlatitude stratospheric humidity regime to 30 km (*with* **Grantham, D. D.** and **Salmela, H. A.**), 19.5-281
- *See also* **United States Committee on Extension to the Standard Atmosphere,** 19.2-9

Sissons, J.
- Analysis of clear air turbulence reports over Africa and adjacent ocean areas south of latitude 15° North, 19.10-358

Sitbon, P., *see* **Morel, P.,** 19.12-340

Sitenko, A. G.
- Electromagnetic fluctuations in plasma [Transl. from Russ.], 19.2-13

Sitnik, G. F.
- Kolebatel'naia i kineticheskaia temperatura dlia molekul CO v solnechnoi fotosfere [The vibrational and kinetic temperature for CO molecules in the solar photosphere] (*with* **Pande, M. Ch.**) [and Eng. transl.], 19.7-690
- O dvukh protsessakh razrusheniia molekul CO v solnechnoi fotosfere [Two processes of distribution of CO molecules in the solar photosphere] (*with* **Pande, M. Ch.**) [and Eng. transl.], 19.4-586
- *See also* **Murasheva, M. S.,** 19.12-657

Sitnikov, V. K.
- Podzemnoe pitanie rek Sakhalina [Subsurface of Sakhalin rivers] (*with* **Brodskii, A. S.**), 19.7-818
- Printsipy i metody kolichestvennoi otsenki kharakteristik rel'efa v gidrologicheskikh raschetakh [Principles and methods of quantitative estimate of the characteristics of relief in hydrological calculations], 19.6-739

Sitte, K., *see* **Auer, S.,** 19.10-690

Sivaramakrishnan, M. V.
- Relation of raindrop size to intensity of rainfall in different types of tropical rain using a simple raindrop recorder (*with* **Selvam, M. M.**), 19.4-349

Six, N. F.
- Directional characteristics of lunar thermal emission (*with others*), 19.11-345

Skakal'skii, B. G.
- Basic geographical and hydrochemical characteristics of the local runoff of natural zones in the European territory of the U.S.S.R. [Transl. from Russ.], 19.10-793

Skeib, G.
- 75th anniversary of the Potsdam Meteorological Observatory, 19.5-81

Skerjanec, Richard E.
- Interim report on nanosecond pulse propagation over line-of-sight paths, 19.9-116

Skibitzke, Herbert E., *see* **Leopold, L. B.,** 19.2-305

Skibko, N. E., *see* **Bondarenko, A. L.,** 19.2-537

Skinner, B. F.
- Teaching science in high school – what is wrong? 19.11-71

Skirrow, J. D., *see* **Buckmaster, H. A.,** 19.11-99

Sklabinskii, V. P.
- Poluchenie raschetnykh dat ledostava za proshlye gody dlia uslovii Kuibyshevskogo i Saratovskogo vodokhranilishch s tsel'iu

udlineniia riadov [Obtaining calculated dates of freezing during past years for Kuibyshev and Saratov Reservoirs with a view of extending the series], 19.5-731

Skobareva, Z. A.

Metod graficheskogo opredeleniia koeffitsienta estestvennoi osveshchennosti s uchetom otrazhennogo sveta (po nomogrammam R. Kittlera) [A method of graphic determination of the natural lighting coefficient with due regard for the light reflection, based on R. Kittler's nomograms], 19.2-207

Skobel'tsyn, D. V.

Cosmic rays (*eds.*) [Transl. from Russ.], 19.4-10

Skopintsev, B. A.

Nekotorye voprosy balansa urana v vodakh Chernogo i Azovskogo morei [Some problems of the uranium balance in the waters of the Black and Azov Seas] (*with* **Popova, T. P.**), 19.4-646

Svobodnaia uglekislota i otdel'nye formy sernistykh soedinenii v vode Chernogo moria [Free carbon dioxide and distinct forms of sulfur compounds in the water of the Black Sea] (*with* **Maksimova, M. P.**), 19.4-642

Skovlin, Jon M.

Fluctuations in forage quality on summer range in the Blue Mountains, 19.6-72

Skripin, G. V.

Contribution of solar particles to the diurnal variation of the neutron intensity (*with* **Krymskii, G. F.** and **Boltrushko, L. P.**) [Transl. from Russ.], 19.1-15

Diurnal variations in cosmic-ray intensity [Transl. from Russ.], 19.1-15

Skripov, V. P., *see* **Dubrovina, E. N.,** 19.11-293

Skriptunov, N. A.

K raschetu maksimal'nykh sgonno-nagonnykh kolebanii urovnia Kaspiiskogo moria [Computation of maximum wind induced tidal oscillations of the level of the Caspian Sea], 19.4-300

Ob otsenke sluchainoi vyborki nabliudenii nad techeniiami na ust'evom vzmor'e i v pribrezhnoi zone moria [Evaluation of the random selection of data on currents in an estuarine littoral and at sea coasts], 19.9-795

Skriptunova, L. I.

O prognoze temperatury vody v severo-zapadnoi chasti Atlanticheskogo okeana [Forecasting water temperature in the northwest part of the Atlantic Ocean], 19.11-201

See also **Glagoleva, M. G.,** 19.9-229

Skrivanek, R. A.

Chemical composition of noctilucent cloud particles, 19.9-259

Skrotskii, G. V., *see* **Pokazan'ev, V. G.,** 19.12-447

Skumanich, A., *see* **Athay, R. G.,** 19.7-704

Skuratova, I. S.

Issledovanie gorizontal'noi struktury polia vertikal'nykh tokov i razmerov konvektivnykh iacheek v zone serebristykh oblakov [Investigation of the horizontal structure of the field of vertical currents and of the dimensions of convection cells in the zone of noctilucent clouds] (*with* **Trubnikov, B. N.**), 19.10-207

K teorii iacheikovoi konvektsii v letnei mezosfere vysokikh shirot [Theory of cellular convection in the summer mesosphere at high latitudes] (*with* **Trubnikov, B. N.**), 19.3-254

See also **Trubnikov, B. N.,** 19.8-475

Skvortsova, N. N.

O zagriaznenii vozdushnoi sredy 3,4-benzpirenom v raione raspolozheniia lesokhimicheskogo proizvodstva [Atmospheric pollution with 3,4-benzpyrene in the vicinity of a wood pulp plant] (*with* **Kimina, S. N.**), 19.10-196

Sky and Telescope, [Cambridge, Mass.]

NASA lunar reconnaissance continues, 19.8-648

Planetary and lunar notes from Prague, 19.8-658

Slack, Frederick F.

Scintillation studies using the Early Bird synchronous satellite 136-MHz signal, 19.10-556

Slack, Keith V.

Tree leaf control on low flow water quality in a small Virginia stream (*with* **Feltz, H. R.**), 19.7-803

Slade, David H.

Estimates of dispersion from pollutant releases of a few seconds to 8 hours in duration, 19.6-218

Modeling air pollution in the Wash., D. C., to Boston megalopolis, 19.2-144

Sladek, Ivan

Prispevek k poznani denniho rezimu znecisteni ovzdusi SO_2 v Praze [Remarks on determining the diurnal regime of atmospheric pollution by SO_2 in Prague], 19.7-470

Slatinskii, Iu. G.

Metamorfizatsiia rassolov Sivasha [Metamorphosis of Sivash brines], 19.11-717

Solevoi sostav rassolov Vostochnogo Sivasha [Salt composition of the brines of the eastern Sivash], 19.11-718

Slatyer, R. O.

Measurements of internal water status and transpiration (*with* **Shmueli, E.**), 19.7-97

See also **Corey, A. T.,** 19.8-48; **Fitzpatrick, E. A.,** 19.10-55

Slaucitajs, Leonidas, *see* **Winch, D. E.,** 19.3-450

Slaughter, Charles W., *see* **Meiman, J. R.,** 19.2-268

Slavov, Nikola

Izmervane vlazhnostta na tipichniia chernozem s omicheski pochven vlagomer AM-11 [Measurement of humidity in typical chernozem soil with an AM-11 resistence soil moisture meter], 19.9-873

Slee, O. B.

Decametric radio emission from Jupiter (*with* **Gent, H.**), 19.5-549

Jupiter's decametric emission and the solar wind, 19.9-30

Sleptsov-Shevlevich, B. A.

K izucheniiu neustoichivosti geliogeofizicheskikh sviazei [Study of fluctuations of solar-geophysical relationships], 19.1-330

Slevin, P. J., *see* **Fegan, D. J.,** 19.7-569

Sloss, Peter W.

Empirical examination of cumulus entrainment, 19.2-281

Slowey, Jack W., *see* **Jacchia, L. G.,** 19.8-219; 19.9-251; 19.10-186

Slukhai, I. A.
Russian rocketry: a historical survey [Transl. from Russ.], 19.11-62
Sly, W. K.
Convective index charts for Western Canada and the associated convective development, 19.6-354
Slysh, V. I.
Nabliudeniia radioizlucheniia Solntsa na dlinnykh volnakh s pomoshch'iu ISL "Luna-11" i "Luna-12" [Observations of long wave radio emissions from the Sun with the aid of the "Luna-11" and "Luna-12" artificial lunar satellites] [and Eng. transl.], 19.9-667
Smagorinsky, Joseph
Prediction experiments with a general circulation model (*with others*), 19.3-122
Smalley, Justin H.
Beginning studies of balloons at off-design conditions, 19.6-125
Smart, J. S.
Relation between mainstream length and area in drainage basins (*with* **Surkan, A. J.**), 19.3-700
Smart, W. W. G., Jr., *see* **Cummins, D. G.,** 19.5-48
Smedley, David
Availability of climatological information for the Caribbean area, 19.12-426
Smerdon, Ernest T., *see* **Glass, L. J.,** 19.4-335
Smetannikova, A. V., *see* **Doronin, Iu. P.,** 19.2-560, 578
Smiddy, M., *see* **Sagalyn, R. C.,** 19.8-269; 19.10-650
Smilga, Walter, *see* **Giese, R. H.,** 19.6-105
Smirnov, E. V.
Okislitel'no-vosstanovitel'nyi potentsial, kislorod i serovodorod v vodakh promezhutochnoi zony Chernogo moria [Oxidation-reduction potential: oxygen and hydrogen sulfide in the waters of the intermediate zone of the Black Sea] (*with* **Romenskaia, N. N.**), 19.4-641
Smirnov, G. A., *see* **Krechmer, M. V.,** 19.8-84
Smirnov, I. P.
Kharakteristiki zonal'noi tsirkuliatsii atmosfery po nabliudeniiam 1965-1966 gg [Characteristics of zonal atmospheric circulation according to observations made in 1965-1966] (*with* **Kazakova, L. L.**), 19.10-208
Smirnov, Ia. B.
Teplovaia energiia Zemli i ee geologicheskie proiavleniia [The thermal energy of the Earth, and its geological manifestations] [and Eng. transl.], 19.12-737
Smirnov, N. P., *see* **Maksimov, I. V.,** 19.6-176; 19.6-689; **Petrov, V. N.,** 19.2-297
Smirnov, R. V.
Solnechnyi veter i temperaturnoe pole troposfery [The solar wind and the temperature field of the troposphere] [and Eng. transl.], 19.2-468
See also **Lopatnikov, V. I.,** 19.4-620
Smirnov, S. A.
Measurement of the amount of liquid precipitation in a dense precipitation-gage network [Transl. from Russ.], 19.10-146
Nekotorye rezul'taty sravnitel'nykh nabliudenii po anemorumbometru M-63 i fliugeru [Some results of comparative observations by an M-63 anemorhumbometer and a weather vane], 19.4-107
Smirnov, V. G.
Temperaturnyi razrez atmosfery na stantsii Molodezhnoi za 1965 god [Temperature profile of the atmosphere over Molodezhnaya Station, 1965] [and Eng. transl.], 19.3-215
Smirnov, V. I.
Ekranirovka zariazhennoi aerozol'noi chastitsy v turbulentnoi atmosfere [Screening of charged aerosol particles in a turbulent atmosphere], 19.11-519
K teorii prostranstvenno-vremennoi korreliatsii skorostei v izotropnom turbulentnom potoke [Theory of space-time velocity correlations in isotropic turbulence] (*with* **Shapiro, B. Sh.**), 19.9-321
O vozmozhnosti rascheta predela prochnosti ledianogo pokrova pri kratkovremennykh nagruzkakh [Possibility of calculating the strength limits of sea ice cover with short-period loads] [and Eng. transl.], 19.6-709
See also **Murzin, A. I.,** 19.6-703
Smirnov, V. N.
Issledovanie izgibnykh kolebanii dreifuiushchego l'da [Investigation of fending fluctuations in drift ice], 19.4-711
Ob izgibno-gravitatsionnykh kolebaniiakh ledianogo pokrova moria Deivisa [Flexural and gravitational variations of the ice cover in the Davis Sea], [and Eng. transl.], 19.4-712
Smirnov, V. V., *see* **Ermoshina, L. I.,** 19.8-152; **Volkovitskii, O. A.,** 19.9-127
Smirnova, K. I.
Raschet vodnogo balansa Kaspiiskogo moria dlia prognoza godovogo khoda urovnia moria [Calculation of the water balance of the Caspian Sea for forecasting the annual variation of sea level] (*with* **Sheremetevskaia, O. I.**), 19.11-202
Smirnova, R. V., *see* **Arkhipova, E. G.,** 19.5-637
Smith, Alex G.
Morphology of Jupiter's decametric radio sources (*with* **Lebo, G. R.** and **Carr, T. D.**), 19.3-547
Smith, Arthur H.
Statistical test of rules for determining points on surface ridgelines from weather satellite photographs, 19.9-655
Smith, Bradford A.
Rotation of Venus: continuing contradictions, 19.9-684
Smith, Bruce G.
Lunar surface roughness: shadowing and thermal emission, 19.1-481
Smith, C. E., *see* **Graf, E. R.,** 19.11-677
Smith, C. V.
Airborne tracers in agricultural meteorology, 19.2-50
Smith, Charles C., Jr., *see* **McLemore, H. C.,** 19.11-80
Smith, Charles H.
Underwater communications system for deep submergency applications, 19.11-703

Smith, D. E.
Some problems of orbital prediction (*with* **Abayaratna, A.**), 19.6-555
Variations in air density at 280 km height (*with* **Greenfield, B.**), 19.5-164
Smith, D. P.
Runway visual range at United Kingdom airports, 19.9-82
Smith, Dwight D.
Erosion control research: problems and progress, 19.9-513
See also **Jamison, V. C.**, 19.9-93; **Mech, S. J.**, 19.8-780
Smith, E. J.
Cloud seeding experiments in Australia, 19.8-213
Trajectory of silver iodide smoke (*with* **Heffernan, K. J.**), 19.4-172
Smith, E. L.
Predictive horizontal-temperature-gradient model of the upper 750 feet of the ocean derived from towed-thermistor-chain data taken in 17 geographical areas of the eastern North Pacific, 19.3-652
Smith, E. M., *see* **Parker, B. F.**, 19.10-133
Smith, Edward B., *see* **Fendall, F. E.**, 19.3-273
Smith, Edward J.
Magnetic noise in the magnetosheath in the frequency range 3-300 hz (*with others*), 19.3-458
Review of lunar and planetary magnetic field measurements using space probes, 19.3-539
Migration and temperature structure of eddies on the leeward side of the Hawaiian Islands, 19.9-311
Smith, Ernest K., Jr.
Temperate-latitude sporadic E, 19.10-557
Smith, F. B.
Eulerian-Lagrangian time-scale relationship in one-dimensional turbulence, 19.5-190
Modification of the wind profile due to changes in surface roughness, 19.5-249
Smith, F. G.
Long-baseline interferometer between Jodrell Bank and the Royal Radar Establishment at Malvern, 19.9-31
Radio telescopes, 19.9-31
Smith, F. M.
Measuring snow depths by aerial photogrammetry: evaluation and recommendations (*with* **Cooper, C. F.** and **Chapman, E. G.**), 19.6-418
Smith, Foster D., Jr.
Information and the societies, 19.4-22
Smith, Fred W., *see* **Steele, R. L.**, 19.11-434
Smith, G. H., *see* **Paul, A. K.**, 19.5-418; 19.7-528; **Wright, J. W.**, 19.2-389; 19.4-11
Smith, G. L., *see* **Dickinson, W. T.**, 19.3-287
Smith, G. W.
Nomogram for estimating soil moisture deficits, 19.12-821
Smith, Harlan J., *see* **Bergstralh, J. T.**, 19.1-485
Smith, Henry J.
Astronomy as a space science, 19.1-458
Smith, Ian Landon
Samoreguliruiushchiisia metelemer "Tsiklon" [Self-regulating "Cyclone" snow drift meter] (*with* **Radok, U.**) [and Eng. transl.], 19.3-327
See also **Budd, W.**, 19.11-776
Smith, John S.
Great Chicago snowstorm of '67, 19.6-415
Smith, K.
Note on minimum screen temperatures in the Houghall frost hollow, 19.6-309
Temperature transect across the Lima Valley, North Italy, 19.3-210
See also **Gregory, S.**, 19.5-354
Smith, L. B., *see* **Hoffman, J. M.**, 19.1-81
Smith, L. G.
Rocket observations of electron temperature in the E region (*with* **Weeks, L. H.** and **McKinnon, P. J.**), 19.8-531
See also **Bedinger, J. F.**, 19.10-515; **Bowhill, S. A.**, 19.6-477; **Mechtly, E. A.**, 19.7-524; **Mukunda Rao, M.**, 19.8-520
Smith, L. L.
Calibration of airglow photometers at Fritz Peak Observatory (*with* **Alexander, R. B.**), 19.8-549
Night airglow intensity variations in the [OI] 5577 Å, [OI] 6300 Å and NaI 5890-96 Å emission (*with* **Steiger, W. R.**), 19.9-623
See also **Roach, F. E.**, 19.2-416
Smith, Lionel Percy
Climate and disease (*with* **Ollerenshaw, C. B.**), 19.7-73
Meteorology and the pattern of British grassland farming, 19.2-56
Meteorology applied to agriculture, 19.5-45
World Weather Watch and meteorological service to agriculture, 19.4-55
See also **Hurst, G. W.**, 19.7-440
Smith, Orvel E., *see* **Daniels, G. E.**, 19.9-315
Smith, P. A.
Estimates of ionospheric composition and temperature derived from topside sounder electron scale height data (*with* **Kaiser, B. A.**), 19.4-450
Ionospheric prediction system based on the index IF2, 19.6-502
See also **King, J. W.**, 19.2-367
Smith, Paul Ferris, *see* **Garstang, M.**, 19.1-517; **Perry, K. E.**, 19.9-749
Smith, Peter J.
Intensity of the Earth's magnetic field in the geological past, 19.5-479
Smith, R. L.
Magnetospheric properties deduced from OGO 1 observations of ducted and nonducted whistlers (*with* **Angerami, J. J.**), 19.3-373
Smith, R. Michael
Preview on the determination of mass return flow of air and water vapour into the stratosphere using tritium as a tracer, 19.12-315
See also **Brown, M. J.**, 19.11-262
Smith, R. W.
Geomagnetic storm and aurora of May 25-26, 1967 (*with* **Webber, N. J.**), 19.6-513
Smith, Raymond C.
Optical properties of clear natural water (*with* **Tyler, J. E.**), 19.3-690
See also **Tyler, J. E.**, 19.3-637
Smith, Robert L., *see* **Mooers, C. N. K.**, 19.6-319

Smith, S. D.
[Comment on] R. T. H. Collis: Lidar: a new atmospheric probe (*with others*), 19.4-60
Smith, Sara F.
Flare positions relative to photospheric magnetic fields (*with* **Ramsey, H. E.**), 19.9-703
Smith, Stephen C., *see* **Kneese, A. V.,** 19.10-14
Smith, W. B., *see* **Clark, G. W.,** 19.6-580
Smith, William L.
Improved method for calculating tropospheric temperature and moisture from satellite radiometer measurements, 19.10-87
Note on the relationship between total precipitable water and surface dew point [Comment by L. Berkofsky], 19.3-260
Smith-Rose, R. L., *see* **International Space Science Symposium, 6th, Mar del Plata, May 1965,** 19.6-32
Smithsonian Institution, Wash., D. C.
Smithsonian year, 1967: Annual Report for the year ending June 30, 1967, including the financial report of the Executive Committee of the Board of Regents, 19.10-26
Smolen, Frantisek
Vysledky merani radiacnej a tepelnej bilancie na Skalnatom Plese [Results of measurements of radiation and heat balance at Skalnate Pleso] (*with* **Oravec, A.**), 19.6-286
Smol'skii, B. M., *see* **Lykov, A. V.,** 19.11-38
Smoluchowski, R.
Internal structure and energy emission of Jupiter, 19.5-577
Smyth, J. B.
Influence of terrain irregularities on the propagation and reflection of radio waves, 19.9-30
Snedecor, George W.
Statistical methods (*with* **Cochran, W. G.**), 19.8-4
Sneyers, R.
Epaisseur maximale de la couche de neige en Belgique, 19.5-326
Temps en 1966, 19.4-89
Snider, C. R.
Great Lakes ice season of 1967, 19.5-726
Snoddy, W. C.
Infrared emission during simulated lunar exercise (*with others*), 19.11-346
Snodgrass, J. M.
Background position of IOC on radio-frequency needs for oceanography, 19.8-714
Snowden, G., *see* **Powers, W. L.,** 19.5-774
Snowsill, W. L., *see* **Lucas, D. H.,** 19.5-136
Snyder, C. Thomas
Analog study of the longitudinal response of a swept-wing transport airplane to wind shear and sustained gusts during landing approach, 19.10-50
Snyder, Conway W.
Mariner V flight past Venus, 19.5-567
Snyder, John W., *see* **Boquist, W. P.,** 19.2-394
Snyder, Roger F.
Underwater acoustic test vehicle, 19.2-533
Snyder, Willard M.
Extended continuous interpolation, 19.1-63
Simplified versus optimum unit hydrographs: one comparison, 19.3-683
Surface water, 19.4-740
Soberman, Robert K.
Nature and origin of noctilucent cloud particles, 19.8-473
Rocket sampling of noctilucent cloud particles during 1964 and 1965 (*with* **Chrest, S. A.** and **Carnevale, R. F.**), 19.8-474
Sobolev, Ia. P., *see* **Kiselev, Iu. V.,** 19.7-491
Sobolev, V. V.
Issledovanie atmosfery venery, II [Investigation of the atmosphere of Venus, Pt. 2] [and Eng. transl.], 19.11-648
Sochorec, Rostislav
Prispevek ke zpracovani objemu a tvaru povodnovych vln [Contribution to the analysis of volume and shape of flood waves] (*with* **Richter, V.**), 19.3-722
Soederman, D.
Some monthly values of evapotranspiration in Finland computed from aerological data (*with* **Wesanterae, J.**), 19.1-285
See also **Palmen, E.,** 19.1-281
Soglasnova, A. G., *see* **Orlova, E. M.,** 19.3-288
Sohar, E., *see* **Givoni, B.,** 19.11-357
Sohlberg, R. G.
R/V Chain Cruise No. 61 [in the] North Atlantic Ocean, Mediterranean and Red Seas (*with* **Allstrom, F. C.**), 19.8-709
Soicher, H.
Polarization variation of satellite-emitted radio signals (*with others*), 19.11-604
Soine, Olaf C.
Fifty years of weather at the Northwest Experiment Station, 19.8-97
Sokhov, T. Z.
O mezometeorologicheskikh uedinennykh volnakh [Mesometeorological solitary waves] (*with* **Gutman, L. N.**) [and Eng. transl.], 19.11-318
Primenenie metoda dlinnykh voln v nelineinoi zadache o dvizhenii kholodnoi vozdushnoi massy nad gornym khrebtom [Use of the long-wave method in a non-linear problem of cold air mass motion over ridges] (*with* **Gutman, L. N.**) [and Eng. transl.], 19.7-360
Sokolov, A. A.
K teorii gidrologicheskogo kartirovaniia [Theory of hydrological mapping], 19.11-784
Symposium on floods and their computation, 19.9-866
Sokolov, A. L.
Drift of ice in the Arctic Basin and changes in ice conditions over the northern sea route [Transl. from Russ.], 19.2-581
Nekotorye printsipy metodiki kratkosrochnykh prognozov raspredeleniia l'dov [Some principles of the methods of short range forecasts of the distribution of ice] (*with* **Gorbunov, Iu. A.**), 19.12-752
Sokolov, I. F., *see* **Kalendov, A. A.,** 19.3-22
Sokolov, S. I., *see* **Sergeeva, G. G.,** 19.3-234
Sokolova, A. P., *see* **Vorob'eva, E. V.,** 19.2-116
Sokolova, E. K., *see* **Dorinin, Iu. P.,** 19.10-159

Solheim, Jan-Erik
  Radio sources in opposite directions as a cosmological test, 19.5-551
Solodovnikova, A. P., *see* **Sakali, L. I.,** 19.9-354
Solomon, A. I.
  Cosmic-ray cut-offs during geomagnetic storms, 19.3-438
Solomon, Leonard H.
  Effect of bright sky on Baker-Nunn operation, 19.3-209
Solopov, A. V.
  Nekotorye zakonomernosti v raspredelenii sostavliaiushchikh i vikhria termicheskogo vetra v sloe 500-1000 mb nad severnym polushariem [Some regularities in the distribution of components and thermal wind vorticity in the 500-1000 mb layer], 19.9-462
Solov'ev, A. D., *see* **Gaivoronskii, I. I.,** 19.9-246
Solov'ev, L. G.
  Osobennosti opredeleniia kisloroda v morskoi vode pri pomoshchi oksimetra Instituta okeanologii ANSSSR [Pecularities of oxygen determination in sea water using the oxymeter of the Institute of Oceanology, Academy of Science, USSR], 19.1-530
  Palubnyi oksimetr povyshennoi chuvstvitel'nosti [High sensitivity deck oxymeter], 19.1-531
Solov'ev, N. Ia.
  Usovershenstvovanie i ispytanie pribora-registratora krupnykh nanosov [Improvement and test of a recording device of coarse alluvia], 19.5-754
Solov'ev, V. I.
  Opredelenie uglovykh elementov vneshnego orientirovaniia snimkov s meteorologicheskikh sputnikov [Determination of angular elements of the external orientation of photographs from meteorological satellites] (*with* **Solov'eva, I. S.**), 19.4-566
Solov'ev, V. S.
  Issledovanie variatsii estestvennogo elektricheskogo polia v okeane [Studies of natural electric field oscillations in the ocean] [and Eng. transl.], 19.1-541
Solov'eva, I. S., *see* **Solov'ev, V. I.,** 19.4-566
Solov'eva, N. F.
  Elementy khimicheskogo balansa Ladozhskogo ozera [Elements of the chemical balance of Lake Ladoga], 19.4-747
  Gidrokhimiia pritokov Ladozhskogo ozera i Nevy [Hydrochemistry of tributaries of Lake Ladoga and the Neva], 19.4-748
Somayajulu, V. V.
  Effect of magnetic storms on dust formation for whistler propagation (*with* **Tantry, B. A. P.**), 19.11-522
Somerville, Richard C. J.
  Nonlinear spectral model of convection in a fluid unevenly heated from below, 19.2-156
Sommers, Lawrence M., *see* **Dohrs, F. E.,** 19.9-35
Sonechkin, D. M.
  Nekotorye rezul'taty issledovaniia statisticheskoi struktury oblachnosti [Some results of an investigation of the statistical structure of cloudiness] (*with* **Triapitsyna, I. S.**), 19.3-285
  O sravnimosti sputnikovykh i nazemnykh dannykh ob obshchem kolichestve oblakov [Comparability of satellite and surface data on the total amount of clouds], 19.4-75
  See also **Bakhtin, M. G.,** 19.5-106
Sonett, C. P.
  Establishment of a lunar unipolar generator and associated shock and wake by the solar wind (*with* **Colburn, D. S.**), 19.4-544
  Intrinsic magnetic field of the Moon (*with* **Colburn, D. S.** and **Currie, R. G.**), 19.3-554
  See also **Fredricks, R. W.,** 19.11-563
Sonnerup, B. U. O.
  Explorer 12 observations of the magnetopause current layer (*with* **Cahill, L. J., Jr.**), 19.7-615
Sonntag, Dietrich
  Hygrometrie: ein Handbuch der Feuchtigkeitsmessung in Luft und anderen Gasen [Hygrometry: a handbook of moisture measurement in air and other gases], Installments 2, 3 and 4, 19.8-29
Soo, H. K.
  Evaluation of wind speed measurements made from a research vessel (*with* **Elder, F. C.**), 19.12-79
  See also **Elder, F. C.,** 19.9-163
Soons, Jane M.
  Micro-climate and erosion processes in the Southern Alps, New Zealand (*with* **Rainer, J. N.**), 19.12-376
Soos, Eva, *see* **Faust, H.,** 19.1-268
Sopper, William E., *see* **International Symposium on Forest Hydrology, Pennsylvania State Univ., Aug.-Sept. 1965,** 19.5-18; **Nutter, W. L.,** 19.12-791
Sorenson, William R.
  Investigation of possible ionospheric heating by hydromagnetic waves, 19.4-451
Sorkina, A. I.
  Ispol'zovanie zakona normal'nogo krugovogo raspredeleniia sluchainogo vektora dlia rascheta rezhimnykh kharakteristik vetra nad moriami [Use of the law of the standard circular distribution of the random vector for the computation of wind regime characteristics over seas], 19.4-293
  Mezhgodovye izmeneniia rezhima atmosfernoi tsirkuliatsii i sviazannykh s nimi temperaturnykh i ledovykh uslovii v severnykh chastiakh Tikhogo i Atlanticheskogo okeanov [Interannual variations of the atmospheric circulation regime and the associated temperature and ice conditions in the northern parts of the Pacific and Atlantic Oceans] (*with* **Vlasova, M. G.**), 19.11-319
  Primenenie nomogrammy Anapol'skoi-Gandina pri obrabotke sudovykh nabliudenii [Application of the Anapol'skaia-Gandin nomogram to the reduction of ships observations], 19.4-294
Sorochan, O. G., *see* **Lebedev, A. N.,** 19.2-6; **Orlova, V. V.,** 19.12-422
Sosedov, Igor' Sviatoslavovich
  Issledovanie balansa snegovoi vlagi na gornykh sklonakh v Zailiiskom Alatau [Investigations of snow moisture balance on the mountain slopes

of Zailiiskii Ala Tau], 19.10-7
On hydrological role of snow avalanches in the northern slope of the Zailiysky Alatau (*with* **Severskii, I. V.**), 19.3-330
Soskin, I. M.
Kolebaniia intensivnosti Severo-Atlanticheskogo techeniia v raione Farero-Shetlandskogo proliva [Fluctuation of the intensity of the North Atlantic flow in the region of the Faroe-Shetland Channel], 19.11-320
Soter, Steven, *see* **Goldreich, P.,** 19.2-488
Sotirov, Apostol
Vuzmozhnosti za prognoza na mesechniia pritok v iaz. "Beli Iskur" [Possibilities of forecasting monthly inflow into the "Beli Iskur" reservoir], 19.9-242
Sotobayashi, Takeshi
Short-range dating of fresh nuclear debris (*with* **Suzuki, T.** and **Koyama, S.**), 19.1-170
Souchek, Vl., *see* **Vitga, O.,** 19.11-802
Souchez, R. A.
Glacial-geological investigations in southern Victoria Land, 19.8-752
Souffraiu, J., *see* **Baetsle, L. H.,** 19.9-851
Souffrin, P., *see* **Schatzman, E.,** 19.7-689
Soulage, Guy, *see* **Isaka, H.,** 19.9-488
South Africa. Weather Bureau
Climate data for Norway Station and SANAE in the Antarctic for the years 1960 to 1965, 19.4-372
Verslag oor weerkundige data van die jaar 1966 [Report on meteorological data of the year 1966], 19.10-104
Southwest Center for Advanced Studies, Dallas, Texas, *see* **Kattawar, G. W.,** 19.8-328; 19.12-453
Southwood, D. J.
Hydromagnetic stability of the magnetospheric boundary, 19.10-630
Southworth, R. B., *see* **Nilsson, C. S.,** 19.10-691; **Whipple, F. L.,** 19.1-493
Sovetova, V. D.
K metodike optimal'noi interpoliatsii [Optimal interpolation methods], 19.9-125
Sovetskaia Antarkticheskaia Ekspeditsiia, 1955-
Atlas of Antarctica, Vol. 1 [Transl. from Russ.], 19.1-47
Sovie, Ronald J.
Radio-frequency induction heating of low-pressure plasmas (*with* **Seikel, G. R.**), 19.3-518
Spaceflight, [London]
French National Space Programme, 19.12-38
Spaenkuch, D., *see* **Foitzik, L.,** 19.12-451
Spain. Instituto Geografico y Catastral, Madrid
Anuarios del Servicio de Geomagnetismo y Aeronomia, 1964, 19.10-24
Spain. Servicio Meteorologico Nacional
Resumen Anual de la Observaciones Meteorologicas ano 1961, 19.9-155
Spar, Jerome
Design study for a cloud seeding experiment in the northeastern United States, 19.11-250
Drought in the Northeast, 1962-1966: introductory remarks, 19.12-373
Note on an apparent trend in annual precipitation at New York City (*with* **Ronberg, P.**), 19.8-437
Snow prediction in the eastern United States (*with others*), 19.4-153
See also **Conference on Drought in the Northeastern United States, Sterling Forest, N. Y., May 1967,** 19.11-33; **Stolov, H. L.,** 19.2-232
Sparrow, J. G.
Airglow observations from OSO-B2 satellite (*with others*), 19.7-562
Spate, Oskar H. K.
India and Pakistan: a general and regional geography (*with* **Learmonth, A. T. A.**) 19.10-9
Spears, D. L., *see* **Camp, P. R.,** 19.2-582
Spector, Allan
Gravity survey of the Melville Island ice caps, 19.7-763
Speiser, T. W.
Auroral particles accelerated in the geomagnetic tail, 19.2-408
On the uncoupling of parallel and perpendicular particle motion in a neutral sheet, 19.6-306
Speranskaia, A. A.
Influence of stability on the characteristics of vertical turbulent exchange in a fresh-water reservoir [Transl. from Russ.], 19.7-810
O vliianii ustoichivosti na kharakteristiki vertikal'nogo turbulentnogo obmena v presnom vodoeme [Effect of stability on characteristics of vertical turbulent exchange in a fresh-water reservoir], 19.2-594
Sperry Rand Research Center, Sudbury, Mass., *see* **Brown, R. T., Jr.,** 19.8-88
Spichkin, V. A.
Is supercooling of water in the Antarctic possible? [Transl. from Russ.], 19.1-31
O skoplenii morskoi vody na antarkticheskom pripae [Sea water accumulation in Antarctic shore ice] [and Eng. transl.], 19.2-552
See also **Kirillov, A. A.,** 19.4-709; 19.6-702
Spiegel, Edward A.
Solar atmospheric convection zone (*with* **Boehm, K. H.**), 19.8-680
See also **Stein, R. F.,** 19.4-400
Spies, Kenneth P.
On the calculation of antenna patterns for an inhomogeneous spherical Earth (*with* **Wait, J. R.**), 19.3-45
See also **Wait, J. R.,** 19.12-512
Spiess, F. N.
Acoustic transponder system (*with others*), 19.4-626
Instrumenting the environment: marine physics, 19.1-19
Spillane, K. T., *see* **Brook, R. R.,** 19.12-269; **Paterson, M. P.,** 19.11-436
Spink, P. C.
Scottish snowbeds in summer, 1966, 19.1-312; . . . in summer 1967, 19.10-440
Spinning, John N.
Test and evaluation of five portable recording echo-sounders for riverine applications (*with* **Fletcher, J. P.** and **Sproull, C. B., II**), 19.7-729
Spinrad, Hyron, *see* **Giver, L. P.,** 19.3-571
Spiridonov, Iu. G., *see* **Kazantsev, A. N.,** 19.5-59

Spitsyn, I. P.
Ob opredelenii raskhoda vody v poimennom rusle po izmerennym poverkhnostnym skorostiam [Determination of discharges in a floodplain channel based on measured surface velocities], 19.6-774
Spitz, Armand N.
Weather, 19.2-23
Spizzichino, Andre
Interactions entre les oscillations atmospheriques se propageant a haute altitude, 19.9-421
Mesures de vents par meteores entre 80 et 110 km, 19.11-419
See also **Revah, I.**, 19.12-506
Spohn, C. A.
Meteorological satellites and the World Weather Watch, 19.9-656
Spradley, L. Harold
Surveyor I: location and unidentification, 19.5-558
Sprague, Vance G., Jr.
Oceanographic cruise summary, Eastern Gulf of Maine and continental margin, 19.12-672
Spreiter, John R.
External aerodynamics of the magnetosphere (*with* **Alksne, A. Y.** and **Summers, A. L.**), 19.10-636
On the comparison of temperature jumps across the Earth's shock: Vela 3 satellites and gasdynamic theory (*with* **Summers, A. L.** and **Alksne, A. Y.**), 19.8-602
Sprenger, K.
Evidence of a 26-month wind oscillation in the lower ionosphere over Central Europe (*with* **Schminder, R.**), 19.5-423
On the significance of ionospheric drift measurements in the LF range (*with* **Schminder, R.**), 19.12-509
Sproull, Charles B., II, *see* **Spinning, J. N.**, 19.7-729
Spurling, J. F., *see* **Bettle, J. F.**, 19.10-95
Spurny, K. R.
Contribution to the mechanisms of genesis of the condensation nuclei from sea water (*with* **Lodge, J. P., Jr.**), 19.9-489
Spyers-Duran, Paul A.
Airborne continuous cloud particle replicator (*with* **Braham, R. R., Jr.**), 19.3-90
Comparative measurements of cloud liquid water using heated wire and cloud replicating devices, 19.12-313
See also **Braham, Roscoe R., Jr.**, 19.3-279
Squires, Patrick
Humidity and liquid water content, 19.3-75
Sreekantan, B. V., *see* **Garmire, G.**, 19.8-558
Sreeramulu, T.
Aerobiology in India, 19.11-272
Srinivasan, T. R.
Rainfall in relation to lower and upper tropospheric winds and temperatures over Madras during southwest monsoon season (*with* **Narayanan, S.**), 19.4-340
Statistical study of daily maximum temperatures at Madras during the summer months (*with* **Hashim, S. S.**), 19.4-265
Srivastava, B. J.
On the occurrence of large SSC amplitudes in the horizontal intensity of the geomagnetic field in middle latitudes around local midnight, 19.3-491
Srivastava, G. P.
Automatic instrumentation for telemetering rain and river data from remote stations (*with* **Ramachandran, S.** and **Mani, A.**), 19.7-156
Srivastava, H. N.
Radio characteristics of a standard atmosphere for tropics, 19.4-201
Srivastava, R. C.
Effect of precipitation on cumulus dynamics, 19.6-387
Stachy, Juliusz
O potrzebie i mozliwosciach opracowania hydrologicznego atlasu Polski [Need and possibilities of working out the hydrologic atlas of Poland], 19.12-784
Opracowanie przeplywow charakterystycznych rzek polskich w latach 1951-1960 [Survey of flow rates of Polish rivers, 1951-1960], 19.6-793
Stackpole, John D.
Air pollution potential forecast program, 19.6-173
See also **Klein, W. H.**, 19.1-241
Staelin, David H.
Spectrum measurements of the Sun near 1 cm wavelength (*with others*), 19.9-700
Staggs, Donald W., *see* **Rinehart, R. E.**, 19.11-120
Stahl, P. C.
Automatic Oceanographic Data Collection System for use in an Arctic environment, 19.5-631
See also **Denton, R. F.**, 19.9-744
Stahl, W.
Der systematische Einfluss der Wetter- und Bodenverhaltnisse auf die Refraktion bei optischer Distanzmessung mit vertikaler Latte [Systematic influence of weather and ground surface conditions on the refraction of an optical distance meter with a vertical scale], 19.7-248
Stair, A. T., Jr.
Research on optical infrared characteristics of aurora and airglow: artificial and natural (*with* **Gauvin, H. P.**), 19.2-418
Stair, Ralph
Solar constant based on new spectral irradiance data from 310 to 530 nanometers (*with* **Ellis, H. T.**), 19.12-239
Stalcup, M. C., *see* **Metcalf, W. G.**, 19.1-565
Staley, D. O.
Radiative enhancement of lunar hot spots during eclipse, 19.8-654
Stall, J. B., *see* **Roberts, W. J.**, 19.1-284
Stallings, Robert
Description and analysis of the warning systems in the Topeka, Kansas tornado of June 8, 1966, 19.8-188
Stallman, R. W.
Flow in the zone of aeration, 19.9-874

Stancescu, I.
Unele situatii aero-sinoptice favorabile producerii brumei in lunile mai si septembrie [Some weather synoptic patterns favorable to hoar-frost occurrences in May and September] (*with* **Rat, T.**), 19.12-339
Stanchev, Kostadin
Niakoi cherti na liatoto v niskata i srednata stratosfera [Some features of summer in the low and middle stratosphere] (*with* **Chapanov, T.**), 19.9-286
See also **Simidchiev, D.,** 19.1-112
Standil, S., *see* **Chin, F. K.,** 19.6-519, 520
Stanescu, Viorel, *see* **Hancu, S.,** 19.3-125
Stanev, Svetozar
Vurkhu rezhima na silnite vetrove nad r. Dunav v uchastuka Novo selo-Svishchov [Regime of strong winds over the Novo Selo-Svishtov section of the Danube River], 19.1-262
Stanford Research Institute, Menlo Park, Calif., *see* **Endlich, R. M.,** 19.11-191; **Serebreny, S. M.,** 19.7-395; **Wiegman, E. J.,** 19.7-383 to 385
Stanford Univ. School of Engineering, Stanford, Calif.
Stanford Proposal for an International Network for Meteorological Analyses and Prediction: an interdisciplinary engineering at Stanford University, winter and spring quarters, 1966, 19.5-156
Stanford Univ. Stanford Electronics Labs., Stanford, Calif., *see* **Nowak, R.,** 19.12-7
Stanhill, G.
Factors affecting plant responses to soil water (*with* **Vaadia, Y.**), 19.7-857
Stankevich, K. S.
Koeffitsient pogoshcheniia radiovoln v atmosfernom kislorode [Coefficient of radio wave absorption in atmospheric oxygen] [and Eng. transl.], 19.1-59
See also **Dem'ianenko, L. N.,** 19.12-450
Stankiewicz, A.
Transfer of energy in sunspots, Pt. 1, 19.2-505
Stanley, Thomas W., *see* **Epstein, S. S.,** 19.6-95
Staple, W. J., *see* **Ekern, P. C., Jr.,** 19.7-369
Starik, O. G., *see* **Minina, L. S.,** 19.8-299
Starikova, N. D.
Soderzhanie i raspredelenie organicheskogo ugleroda v vodakh Indiiskogo okeana [Content and distribution of organic carbon in the waters of the Indian Ocean], 19.1-552
Stark, L. P.
Weather and circulation of May 1967: strong blocking and record cold in the east, 19.1-74
Weather and circulation of December 1967: temperature reversal associated with intramonthly amplification, 19.9-156
Starkov, G. V.
Magnitnoe pole v shleife magnitosfery i ee razmery [Magnetic field in the magnetospheric tail and its dimensions] (*with* **Fel'dshtein, Ia. I.** and **Shevnin, A. D.**) [and Eng. transl.], 19.10-637
Polosa siianii v period MGSS [Aurora belt during the IQSY period] (*with* **Fel'dshtein, Ia. I**) [and Eng. transl.], 19.2-409
See also **Fel'dshtein, Ia. I.,** 19.7-548
Starovatov, A. A.
O mnogoletnei variatsii predel'nykh chastot sporadicheskogo sloia E [Long-period variation of the sporadic E-layer maximum frequencies] [and Eng. transl.], 19.1-388
O sviazi E_s s elektronnoi kontsentratsiei v okruzhaiushchei srede [Relationship of E_s to an electron concentration in the surrounding space] [and Eng. transl.], 19.5-424
Sporadicheskii sloi E nad Kazakhstanom vo vremia zatmeniia 20 maia 1967 g [sic] [Sporadic E layer above Kazakhstan during the eclipse of May 20, 1967] [and Eng. transl.], 19.7-535
Starr, J. R.
Deposition of particulate matter by hydrometeors, 19.4-364
Starr, Victor P.
Angular momentum transport in the solar nebula (*with* **Gaut, N. E.** and **Copeland, J. A.**), 19.2-489
Circulation of the Sun's atmosphere (*with* **Gilman, P. A.**), 19.7-685
Stas', I. I.
Vozmozhnost' predskazaniia shtormov po podvodnomu davleniiu voln [Possibility of storm forecasting based on underwater wave pressure] [and Eng. transl.], 19.3-109
Steadman, H. L.
Inexpensive digital data acquisition system, 19.11-72
Stearns-Rogers Manufacturing Co., Denver, Colo.
Fifth Annual Report [of] Saline Water Conversion Demonstration Plant No. 1, Freeport, Texas, 19.4-638
Stebbings, R. F.
Low-energy collisions between $0+(^{4}S)$ and H(1s) (*with* **Rutherford, J. A.**), 19.7-242
Stecker, F. W.
Production of cosmic gamma rays in interstellar and intergalactic cosmic-ray collision, **Pt. 2** (*with* **Tsuruta, S.** and **Fazio, G. G.**), 19.6-526; **Pt. 4,** 19.10-670; **Pt. 5,** 19.10-671
Steele, Roger L.
Calibration of the NCAR acoustical ice nucleus counter (*with others*), 19.3-96
Experimental facility for simulation of adiabatic cloud processes (*with* **Smith, F. W.**), 19.11-434
See also **Davis, C. I.,** 19.10-402
Stehle, N. S.
Migration of bubble in ice under a temperature gradient, 19.11-768
See also **Herrmann, M. R.,** 19.12-415
Stehling, Kurt R.
Lunar astronomical observatory (*with* **Levitt, I. M.**), 19.6-30
Steiger, Walter R.
Low latitude observations of airglow, 19.2-419
See also **Brown, W. E.,** 19.4-472; **Huruhata, M.,** 19.11-549; **Smith, L. L.,** 19.9-623
Stein, Robert F.
Generation of acoustic and gravity waves by turbulence in an isothermal stratified atmosphere, 19.6-473

Radiative damping of sound waves (*with* **Spiegel, E. A.**), 19.4-400

Stein, Wayne A.

Infrared radiation from interstellar grains, 19.11-40

Steinberger, E. H., *see* **Pruppacher, H. R.,** 19.6-376

Steinborn, E.

Hurrikan Beulah, 19.5-204

Tropische Wirbelsturm-Saison 1967 ueber dem Nordatlantik [Tropical hurricane season, 1967, over the North Atlantic], 19.10-259

Steiner, Harold A.

USAF Scientific Advisory Board ad hoc study group on tropical meteorology, 19.8-41

Steinhaeusser, Hans

Starke Niederschlaege und Starkregen bis zu mehrtaegiger Dauer in Mitteleuropa [Heavy precipitation and heavy rain up to duration of several days in Central Europe], 19.9-511

Steinhaus, Hugo

Uwagi o prognozie meteorologicznej [Meteorological forecasting], 19.11-171

Steinhauser, Ferdinand

Der Hoehenwind ueber Wien bis 30 km, 1952-1966 [Upper winds over Vienna up to 39 km, 1952-1966] (*with* **Cehak, K.**), 19.3-245

Das Klima im Raum von Bad Aussee [Climate of the area Bad Aussee], 19.9-533

Methods of evaluation and drawing of climatic maps in mountainous countries, 19.6-435

Die Struktur des hochtroposphaerischen Maximums und des stratosphaerischen Minimums der Windgeschwindigkeit ueber Wien [Structure of the upper tropospheric maximum and the stratospheric minimum wind speed over Vienna], 19.6-351

Stekhnovskii, D. I.

Tsiklonicheskaia deiatel'nost' v tropicheskoi zone Tikhogo i Atlanticheskogo okeanov v 1955-1963 gg [Cyclonic activity in the tropical zone of the Pacific and Atlantic Oceans in 1955-1963] (*with* **Safonova, L. T.**), 19.11-329

Stekl, Josef

Mechanismus tlakovych zmen z hlediska sestihodinovych tendenci hlavnich tlakovych hladin [Mechanism of pressure variations from the point of view of 6-hour tendencies of the principal pressure variations], 19.4-145

Steljes, J. F., *see* **Carmichael, H.,** 19.5-444

Stel'makh, F. N.

Osobennosti korreliatsionnykh sviazei temperatury v sloe tropopauzy [Peculiarities of temperature correlations in the tropopause layer], 19.7-328

Stel'makh, O. L.

Batometr "CHENIS" [Bathometer of the Black Sea Experimental Research Station] [and Eng. transl.], 19.6-650

Stenberg, A., *see* **Olsson, I. U.,** 19.10-225

Stenborg, Thorsten

Glacier drainage connected with ice structures, 19.9-806

Stenflo, Jan Olof

New type of magnetograph, 19.9-628

Stengel, Robert F.

[Comments on] R. E. De Mandel and J. R. Scoggins: Mesoscale wave motions as revealed by improved wind profile measurements, 19.11-402

Stenlund, S. J.

PAGEOS fabrication accuracy and reliability (*with* **McLellan, B. D.**), 19.5-102

Stensland, Bengt

Perturbations of the neutron component of cosmic rays during the initial phase of Forbush decreases, 19.12-525

Stepanenko, Vladimir Danilovich

Radar in meteorology [Transl. from Russ.], 19.6-6

Stepanian, A. A., *see* **Pankratov, A. K.,** 19.5-450; **Vladimirskii, B. M.,** 19.6-527

Stepanian, N. N.

Ob izmenenii fizicheskogo sostoianiia piatna s ego razvitiem [Changes in the physical state of a sunspot in the course of its development], 19.8-675

Stepanov, S. I., *see* **Moretskii, V. N.,** 19.10-731

Stepanov, V. N.

Strukturnye zony Mirovogo okeana [Structural zones of the World Ocean] [and Eng. transl.], 19.6-673

Study of the main regularities in the water structure of the World Ocean [Transl. from Russ.], 19.2-559

Stephens, Craig P.

Electron content of the Antarctic ionosphere, 1966 (*with* **Mott, D. L.**), 19.4-452

Stephens, J. J.

Estimating refractive index spectra in regions of clear air turbulence (*with* **Reiter, E. R.**), 19.2-239

Variational resolution of wind components, 19.9-449

Variational statements of quasi-static and geostrophic equilibria, 19.7-266

Stephens, S. A., *see* **Annand, K. C.,** 19.5-550

Stephenson, P. M.

Seasonal rainfall sequences over England and Wales, 19.5-306

Stermitz, Frank, *see* **Boner, F. C.,** 19.4-366

Stern, Arthur C.

Air pollution, Vol. 1, Air pollution and its effects (*ed.*), 19.6-26

Stern, David

Stoermer theory and Euler potentials, 19.3-519

Sternau, R.

Radioisotope tracers in large-scale recharge studies of groundwater (*with others*), 19.9-856

Sternberg, Joseph

On the interpretation of space-time correlation measurements in shear flow, 19.10-345

Sternberg, Sidney

Space meteorology: past and present, 19.9-657

Sternzat, M. S., *see* **Bespalov, D. P.,** 19.8-78

Steshenko, N. V.

Magnitnye polia melkikh solnechnykh piaten i por [Magnetic fields of small sunspots and pores], 19.12-623

Stevens, James Hay
Landing aircraft in any weather, 19.10-51
Stevenson, Catherine M.
Snowfalls of early Dec. 1967, 19.10-433
Stevenson, Merritt R.
Preliminary results and data report from Eastropac-1 Cruise (*with* **Santoro, Y. J.**), 19.9-742
Stevenson, N. M.
Extracting digital historical weather fields from U. S. Fleet Numerical Weather Facility files (*with* **Woodworth, W. C.**), 19.10-84
See also **Wolff, P. M.**, 19.3-653
Stevenson, Robert E.
Influence of the hurricane on the structure of the thermocline, Pt. 1-3 (*with* **Leipper, D. F.**), 19.9-343
Stevenson, T. E.
Particles incident on magnetic field gradients (*with* **Comstock, C.**), 19.4-535
Stewart, Dorothy D., *see* **Saur, J. F. T.**, 19.3-647
Stewart, E. H.
Effect of depth to water table and plant density on evapotranspiration rate in southern Florida (*with* **Mills, W. C.**), 19.9-481
Stewart, Frank, *see* **Jones, W. B.**, 19.6-490
Stewart, G. L.
United States tritium rainout and its hydrologic implications (*with* **Farnsworth, R. K.**), 19.7-425
Stewart, H. A., *see* **Parker, E. N.**, 19.2-448
Stewart, Harris B., Jr.
Deep challenge, 19.5-27
Our last frontier on Earth, 19.5-613
Stewart, I. M.
Methods of relating high volume sample particulate loadings to wind direction (*with* **Matheson, D. H.**), 19.7-235
Stewart, J. M.
Peculiar velocity of the Sun and its relation to the cosmic microwave background (*with* **Sciama, D. W.**), 19.7-648
Stewart, R. D., *see* **Robson, P. N.**, 19.8-163
Stewart, Richard W.
Interpretation of Mariner 5 and Venera 4 on the upper atmosphere of Venus, 19.12-600
Mechanics of the air-sea interface, 19.10-760
Radiative terms in the thermal conduction equation for planetary atmospheres, 19.12-231
Stewart, Robert E.
Atmospheric diffusion of particulate matter released from an elevated continuous source, 19.9-265
Deposition of heavy particles from a continuous elevated source (*with* **Csanady, G. T.**), 19.1-150
Stewartson, K.
Slow oscillations of fluid in a rotating cavity in the presence of a toroidal magnetic field, 19.6-532
Steyaert, Marc
Campagne internationale d'etude du regime des eaux dans le detroit de Gibraltar mai-juin 1961: resultats des observations hydrologiques effectuees a bord du navire belge "Eupen", 19.5-623
Stidd, Charles K.
Three parameter distribution for precipitation data with a straight-line plotting method, 19.12-352
See also **Armstrong, C. F.**, 19.1-278
Stilke, Gerd
Dreikanal-Radiosonde zur kontinuierlichen Messung der Temperatur, der Feuchte und des Luftdrucks [Three-channel-radiosonde for continuous recording of temperature, humidity and air-pressure] (*with* **Mollnhauer, K.** and **Jahnke, L.**), 19.1-107
Stillman, R. M., *see* **LaChapelle, E.**, 19.3-323
Stilwell, Denzil
Energy spectra of the sea from photographs, 19.9-762
Stilz, John, *see* **Elford, C. R.**, 19.10-458
Stinson, J. Robert
Project Skywater planning conferences, 19.11-251
Project Skywater: the Bureau of Reclamation's Atmospheric Water Resources Program, 19.8-196
See also **Cohen, S. H.**, 19.9-216
Stinson, P. J.
Design and evaluation in Project Skywater, 19.11-252
Stipp, J. J., *see* **MacDougall, I.**, 19.12-435
Stippich, Robert E., *see* **Swanson, A. E.**, 19.10-265
Stirm, W. L., *see* **Weedfall, R. O.**, 19.7-56
Stocchino, C.
Livello medio del mare e la pressione atmosferica nel Porto di Genova (*with* **Scotto, V.**), 19.9-759
See also **Cano, M.**, 19.9-779; **Ciriani, T. A.**, 19.9-228; **Giorgi, M.**, 19.12-747
Stockburger, Dieter
Fundamentals of dust drying, 19.6-85
Stoenescu, St. M.
Frecventa si durata fenomenelor orajoase pe teritoriul Republicii Socialiste Romania [Frequency and duration of thunderstorm events in Rumania] (*with* **Iliescu, M.**), 19.12-213
Indici regionali ai regimului vitezei vintului [Regional indices for the wind speed regime] (*with* **Patrichi, S.** and **Partin, St.**), 19.11-396
Influenta irigatiilor asupra conditiilor fitoclimatice [Irrigation influence on fito climatic conditions] (*with others*), 19.7-458
Particularitati ale regimului deficitului de umiditate din partea sudica a teritoriului Republicii Socialiste Romania [Characteristics of the water deficit pattern found in the south of the Socialist Republic of Rumania] (*with others*), 19.12-307
Particularitati ale regimului temperaturii si umezelii aerului din zona litoralului romanesc al Marii Negre [Peculiarities of the temperature and humidity pattern on the Rumanian Black Sea shore] (*with* **Dinca, I.** and **Vinogradov, M.**), 19.12-250
Stoever, Peter
Aussergewoehnliche Meeresspiegelschwankungen am 27. August 1966 bei Orebic, Dalmatien [Unusual sea level oscillations on Aug. 27, 1966 near Orebic, Dalmatia], 19.2-543

Stoffregen, W.
  Experience from an artificial shock-wave experiment in an aurora (*with* **Derblom, H.**), 19.3-413
  On the influence of the Moon on the auroral activity, 19.10-579
  See also **Derblom, H.**, 19.1-394
Stoian, Rodica, *see* **Besleaga, N.**, 19.11-176
Stoica, Constantin
  Consideratii sinoptice privind doboriturile de paduri in toamna anului 1964 [Synoptical considerations relating to the forest devastations that took place in the fall of 1964] (*with* **Besleaga, N.** and **Marcu, Gh.**), 19.11-400
  See also **Rahau, L.**, 19.1-124
Stoica, D., *see* **Serban, Al.**, 19.11-91
Stoll, R., *see* **Guennoc, H.**, 19.4-120
Stolov, Harold L.
  Search for tropospheric responses to chromospheric flares (*with* **Spar, J.**), 19.2-232
Stommel, Henry
  On the interaction of gravitational and dynamic forcing in simple circulation models (*with* **Rooth, C.**), 19.12-714
  Small scale structure in temperature and salinity near Timor and Mindanao (*with* **Federov, K. N.**), 19.5-669
  See also **Arons, A. B.**, 19.1-553
Stone, D. J.
  Automatic calculation of daily ionospheric current systems, 19.12-510
Stone, K., *see* **Hagfors, T.**, 19.10-667
Stone, Michael E., *see* **Mihalas, D.**, 19.6-635
Stone, Peter H.
  Application of baroclinic stability theory to the dynamics of the Jovian atmosphere, 19.1-491
Stone, R. G., *see* **Bauer, S. J.**, 19.12-543
Stonehouse, B.
  Occurrence and effects of open water in McMurdo Sound, Antarctica, during winter and early spring, 19.1-32
Stopa, Maria
  Czestosc wystepowania burz w okolicy wielkich jezior mazurskich [Frequency of storm occurrence in the region of the large Mazurian Lakes], 19.5-357
  Wplye jezior i rzezby terenu na ksztaltowanie sie stosunkow terminiczno-wilgotnosciowych podczas upalnego lata (1963) [The effects of the water surface and topography on the relationship of the temperature and humidity field in a hot summer (1963)] (*with* **Przybylska, G.**), 19.5-353
Storer, Francis, *see* **Hovey, W.**, 19.6-281
Storer, S. H.
  Is interstellar hydrogen capable of maser action at 21 centimetres? (*with* **Sciama, D. W.**), 19.8-690
Storetvedt, K. M.
  Synthesis of the palaeozoic palaeomagnetic data for Europe, 19.7-587
Storey, Owen
  Interpretation des bandes de bruit au voisinage de la frequence hybride basse observees au moyen de satellites artificiels (*with* **Cerisier, J. C.**), 19.9-658
Storr, D.
  Frequency analysis of maximum two-day and three-day rainfalls in Saskatchewan, Alberta and Northeastern British Columbia, 19.6-402
  Precipitation variations in a small forested watershed, 19.6-792
Stout, Glenn E.
  Climatography of hail in the central United States (*with* **Changnon, S. A., Jr.**), 19.11-45
  Rainout characteristics for hydrological studies (*with* **Huff, F. A.**), 19.10-429
  Survey of relationships between rainfall rate and radar reflectivity in the measurement of precipitation (*with* **Mueller, E. A.**), 19.12-365
  See also **Huff, F. A.**, 19.12-164; **Jones, D. M. A.**, 19.11-461
Stow, C. D.
  Generation of electricity by blowing snow, 19.3-371
Straesser, Manfred
  Studien zum Grundwasserchemismus des nordwestlichen Bodenseeraumes [Studies on ground water chemistry in the northwestern Lake Constance region], 19.3-707
Straiton, A. W.
  Analysis of spectra of atmospheric refractive index differences (*with others*), 19.12-161
Strand, Otto Neall, *see* **Westwater, E. R.**, 19.12-257
Strangeways, I. C., *see* **McCulloch, J. S. G.**, 19.8-142
Stratmann, Heinrich, *see* **Buck, M.**, 19.7-162; **Prinz, B.**, 19.7-232
Strauch, Edward
  Obiektywne metody meteorologicznych obserwacji burz [Objective methods for meteorological observations of thunderstorms], 19.5-206
  Wstepne wyniki badan mikrostruktury chmur na Kasprowym Wierchu [Preliminary report on investigation of microstructure of clouds on Kasprowy Wierch], 19.6-388
  Zaleznosc miedzy zdolnoscia odbicia i natezeniem opadow dla rejonu Polski srodkowej [The relation between reflectivity and rain intensity in the region of middle Poland], 19.7-412
Strauss, F. M., *see* **Castelli, J. P.**, 19.7-652
Streil, Josef
  Die Erweiterung der statistischen Auswertung von Abflussbeobachtungen durch die Einbeziehung der "Fuelle" [Extension of the statistical analysis of runoff observations by adding the concept of "abundance"], 19.1-597
Strekalov, S. S., *see* **Matushevskii, G. V.**, 19.4-689
Streten, N. A.
  Note on two prolonged Antarctic gales, 19.10-367
  Some aspects of high latitude Southern Hemisphere summer circulation as viewed by ESSA 3, 19.9-325
  Some characteristics of strong wind periods in coastal East Antarctica, 19.3-230
Strezhneva, K. M., *see* **Kisliakov, A. G.**, 19.11-347

Striem, H. L.
Comparative study of rainfall frequency-distribution spectra for Jerusalem and Rome, 19.8-433

Striffling, M.
Etude et problemes d'hydrometeorologie dans les Alpes Francaises, 19.5-335

Striggow, Klaus
Automatische Zaehlung lumineszenter Sandkoerner [Automatic counting of luminescent sand grains], 19.1-11
Stroemungsmessung in der Brandungszone [Measurement of currents in the breaker zone], 19.1-11
Ein Wellenmesser mit Stufensonde und interner Datenreduzierung [Wave meter with a scaled sonde and internal data reduction], 19.1-11
See also **Kolp, O.,** 19.1-11

Strizhevskii, L. N.
O raschete vertikal'nykh skorostei v atmosfere [Calculation of vertical velocities in the atmosphere], 19.3-249

Strobel, J.
Tempete de foehn et les precipitations colorees des 17 et 18 avril 1962, 19.5-252

Strohman, R. D.
New equilibrium moisture-content equation (*with* **Yoerger, R. R.**), 19.8-398

Strokina, L. A.
O sravnenii rasschitannykh i nabliudennykh velichin radiatsionnogo balansa okeanov [Comparison between computed and observed values of radiation balance of oceans], 19.9-368
Opredelenie izmeneniia teplosoderzhaniia okeanov [Determination of change in the heat content of oceans], 19.10-726
See also **Bortkovskii, R. S.,** 19.12-733; **Mukhenberg, V. V.,** 19.9-377

Strom, Gordon H.
Atmospheric dispersion of stack effluents, 19.8-381

Strom, R. G.
Multiphase development of the lunar crater Tycho (*with* **Fielder, G.**), 19.9-678

Strom, S. E.
Departures from LTE in G- and K-star atmospheres, 19.6-636

Strommen, Norton D.
Lightning fatalities and injuries in Michigan, 1897-1966, 19.7-485
Weather ended this fishing trip, 19.7-31

Strong, Alan E., *see* **Ayers, J. C.,** 19.12-785; **Bellaire, F. R.,** 19.12-71

Strong, James
Assessment of Venus 4, 19.5-568
Halley's comet: a space-age challenge, 19.6-607

Stroschein, Leander A.
Project TREND meteorology program, 19.9-109
See also **Dalrymple, P. C.,** 19.4-241

Struminskii, V. V.
Study of Laminar-turbulent gas flow transition, 19.10-346

Strupczewski, Witold
Wyznaczanie rozkladu prawdopodovienstwa rocznego niektorych zjawisk na podstawie wszystkich ich wystapien [Determination of the probable annual distribution of some events on basis of all their occurrences], 19.5-63

Struylaert, W.
Tables de la temperature equivalente aux niveaux standard en fonction de la temperature et de l'humidite relative, 19.4-205

Struzer, L. R.
Some experimental data on the behavior of temperature sensors in an anisotropic turbulent air stream (*with* **Lozovskii, V. V.**) [Transl. from Russ.], 19.9-176

Stuart, David W.
Over-relaxation factor in the numerical solution of the Omega equation (*with* **O'Neill, T. H. R.**) [Comments by J. J. O'Brien], 19.7-172

Stuart, G. F., *see* **Titheridge, J. E.,** 19.6-506

Stuart, W. F.
Micropulsation activity at Lerwick, 19.7-606

Stubbs, H. E.
Discussion of paper by E. N. Parker: Confinement of a magnetic field by a beam of ions, 19.10-607

Stubbs, Peter
Rusty planet, 19.10-688
Shifting sands of the Moon, 19.2-497
Surveyor's results, 19.11-642
Theory of the nighttime F-layer, 19.6-503
Up in Earth's whispering gallery, 19.12-86

Stubbs, Sidney A., *see* **American Society for Oceanography,** 19.10-13

Stubenrauch, C. F., *see* **Narayana Rao, N.,** 19.4-434

Study Conference on Global Atmospheric Research Programme (GARP), Stockholm, June-July 1967
Report of the . . . Conference, jointly organized by the ICSU/IUGG–Committee on Atmospheric Sciences and COSPAR, 19.7-16

Stuhlinger, Ernst
Electric space propulsion systems, 19.10-644

Stuhrmann, Renate
Vergleich zwischen Windschaetzungen, den mittleren Windgeschwindigkeiten, Maximalboeen und dem Gradientwind [Comparison between wind estimates, mean wind speeds, maximum gusts and gradient wind], 19.1-245

Stuiver, Minze
Origin and extent of atmospheric ^{14}C variations during the past 10,000 years, 19.10-228
See also **Denton, G. H.,** 19.4-735

Sturch, C., *see* **Duthie, J. G.,** 19.10-666

Sturges, David L.
Evapotranspiration at a Wyoming mountain bog, 19.8-413
Water quality as affected by a Wyoming mountain bog, 19.3-705

Sturges, Wilton
Sea-surface topography near the Gulf Stream, 19.12-685

Sturrock, P. A.
Solar oblateness and magnetic field (*with* **Gilvarry, J. J.**), 19.6-613
See also **Gilvarry, J. J.,** 19.6-611; **Hall, D. E.,**

19.6-543; **Hartle, R. E.**, 19.8-596
Stutz, Robert E.
Very low cost, lightweight data multiplex system, 19.8-615
Subbotin, A. I.
Landshaftno-gidrologicheskii printsip izucheniia, rascheta i prognoza stoka talyk i dozhdevykh vod [The landscape-and-hydrological principle of study, calculation and forecasting of melt and rain water discharge], 19.9-243
Subrahmanya Sarma, S. B. S., *see* **Krishnamurthi, M.**, 19.3-392, 19.4-430
Subramanian, D. V.
Radar study of thunderstorm activity in northeast India during the premonsoon season (*with* **Sehgal, U. N.**), 19.4-80
Subramanian, G.
Consequences of the distribution of galactic cosmic-ray density in the solar system (*with* **Sarabhai, V.**), 19.3-442
Suchy, K., *see* **Rawer, K.**, 19.5-9
Suciu, C., *see* **Patrichi, Fl.**, 19.11-174
Sudnitsyn, I. I.
Termodinamicheskii metod izucheniia vodnogo rezhima pochv i vlagoobespechennosti lesa [Thermodynamic method for studying the water regime of soils and moisture reserves of forests], 19.12-822
Sudo, Ken, *see* **Yasui, M.**, 19.9-741
Sudol'skii, A. S.
Vosproizvedenie vetra i metodika izmerenii vetrovykh techenii na prostranstvennykh modeliakh [Production of wind and methods of measurement of wind flow on three-dimensional models] (*with* **Davtian, N. A.**), 19.6-342
Suess, Hans E.
Climatic changes, solar activity, and the cosmic-ray production rate of natural radiocarbon, 19.11-482
Radiocarbon and climate [Comment by P. E. Damon], 19.12-429
See also **Bien, G.**, 19.10-223; **Houtermans, J.**, 19.10-224
Sugawara, Ken
Retrospection and future problems of the study of iodine in sea water, 19.5-653
Sugg, Arnold L.
Beneficial aspects of the tropical cyclone, 19.3-290
Hurricane season of 1967 (*with* **Pelissier, J. M.** et al.), 19.8-303
Suggs, C. W.
Temperature and enthalpy equivalence of thermal radiation, 19.9-387
Sugimoto, Takashige, *see* **Higuchi, H.**, 19.3-624
Sugiura, Masahisa
Geomagnetic variations, 19.5-489
Rotation of the low-latitude DS field and westward drift of a partial ring current, 19.12-536
Study of seasonal changes in the geomagnetic Sq variation by a motion picture representation (*with* **Hagan, M. P.**), 19.11-571
Sugiura, Yoshio
Significance of the difference in conductometric chlorinity minus titrimetric chlorinity, 19.4-644
Suica, Constantin
Elemente noi in metoda de calcul la masini cu cartele perforate in cazul sumelor alunecatoare de valori meteorologice [New factors in the method of calculating sliding sums of meteorological values by machine punched cards], 19.1-61
Sukachev, V.
Osnovy lesnoi biogeotsenologii [Fundamentals of forest biogeocoenology] (*with* **Dylis, N.**) (*eds.*), 19.7-74
Sukhodol'skaia, A. N., *see* **Ben'kova, N. P.**, 19.1-15
Sukhorukova, E. V.
Vysotnoe raspredelenie izmenchivosti elektronnoi plotnosti ionosfery [Height distribution of the variability of electronic density of the ionosphere] [and Eng. transl.], 19.8-532
Sukhovei, V. F.
O glubinnom vodoobmene Karibskogo moria s Atlanticheskim okeanom [Deep-sea water exchange between the Caribbean Sea and the Atlantic Ocean] (*with* **Metal'nikov, A. P.**) [and Eng. transl.], 19.12-720
Sulakvelidze, Georgii Konstantinovich
Energiia razvitiia konvektivnogo oblaka [Energy of convective cloud evolution], 19.9-225
Findings of the Caucasus Anti-Hail Expedition, 1965 [Transl. from Russ.], 19.8-214
Formation of precipitation and modification of hail processes (*with* **Bibilashvili, N. Sh.** and **Lapcheva, V. F.**) [Transl. from Russ.], 19.5-11
Printsip i sredstva vozdeistviia na konvektivnye oblaka s tsel'iu predotvrasheniia vypadeniia grada, ispol'zovannye v rabotakh Kavkazskoi ekspeditsii [Principles and means of convective cloud modification used in the work of the Caucasus Expedition], 19.9-520
Rezul'taty rabot Kavkazskoi protivogradovoi ekspeditsii 1965 g [Results of the Caucasus Anti-Hail Expedition of 1965] [and Eng. transl.], 19.3-1
Rezul'taty rabot Kavkazskoi protivogradovoi ekspeditsii 1965 g [Results of work of the Caucasus hail control Expedition of 1965] (*with* **Khadzhiev, M. A.**), 19.10-183
See also **Medaliev, Kh. Kh.**, 19.7-380
Sullivan, J. O., *see* **Warneck, P.**, 19.1-408
Sullivan, William G., Jr.
Forecasting probability of summertime precipitation at Denver (*with* **Severson, J. O.**), 19.1-120
Summers, Audrey L., *see* **Spreiter, J. R.**, 19.8-602; 19.10-636
Summers, Peter W.
Note on Research Council of Alberta projects involving micrometeorology and microclimatology, 19.2-316
Sumner, C. J.
Solarimeter stand with motorized occulting disc, 19.3-86
Sun, James M. S.
Cometary impact origin of Copernicus, 19.8-652

Sundara-Vicharana, Yen
Long-lived radioactivity in air in Thailand (*with* **Bhodigen, S.** and **Hayodom, V.**), 19.12-163
Suomi, Verner E.
Balloon-borne radiometersonde (*with* **Kuhn, P. M.**), 19.5-16
Color view of planet Earth (*with* **Parent, R. J.**), 19.11-606
Observing the atmosphere: some possibilities, 19.8-81
Theoretical basis for low-resolution radiometer measurements from a satellite (*with* **Hanson, K. J.** and **Vonder Haar, T. H.**), 19.9-659
See also **Cox, S. K.**, 19.12-258
Surazhskii, D. Ia., *see* **Syiko, A. A.**, 19.11-148
Surh, M. T., *see* **Chaney, L. W.**, 19.2-16
Surkan, A. J., *see* **Smart, J. S.**, 19.3-700
Surmach, G. P.
K voprosu zaderzhaniia poverkhnostnogo stoka na sel'skokhoziaistvennykh ugod'iakh [Retardation of surface runoff on agricultural land], 19.7-838
Surtees, W. J.
Approximate synthesis of HF backscatter considering ionospheric motions, 19.5-425
Suslov, A. A.
Sluchai generatsii tiazhelykh iader na Solntse [A case of generation of heavy nuclei on the Sun] (*with* **Tindo, I. P.**) [and Eng. transl.], 19.1-421
Suslov, V. F.
Kamennye gletchery Kichik-Alaia [Stone glaciers of the Kichikalay], 19.5-733
Suslova, L. V., *see* **Kuniavskaia, M. V.**, 19.1-174
Sutherland, Alex J.
Proposed mechanism for sediment entrainment by turbulent flows, 19.5-761
Sutherland, Joe L.
Refinement of the shadowgraph technique for calibration of an aircraft cloud liquid water content instrument system, 19.12-93
Sutton, G., *see* **Nowroozi, A. A.**, 19.6-695
Suyetova, I. A., *see* **Bardin, V. I.**, 19.6-722
Suzuki, Masashi, *see* **Sekihara, K.**, 19.2-201
Suzuki, S., *see* **Yabuki, K.**, 19.7-346
Suzuki, Toshio, *see* **Sotobayashi, T.**, 19.1-170
Suzuki, Yosio
Disorder entropy of ice, 19.2-585
On disorder entropy of ice, 19.12-387
Wind- and water-drag of an ice floe, 19.11-752
Svechnikov, A. M., *see* **Chavdarov, S. S.**, 19.2-344
Svestka, Z.
Proton flare project: May-Oct. 1966 (*with* **Simon, P.**), 19.10-703
Svetlova, T. P.
Kontrol' polei srednego mesiachnogo davleniia i srednei mesiachnoi temperatury u zemli s pomoshch'iu EVM Ural-4 [Checking of the fields of mean monthly surface pressure and temperature using the Ural-4 computer], 19.4-62
Svinukhov, G. V., *see* **Kalendov, A. A.**, 19.3-22
Sviridova, M. A.
Algoritm postroeniia izolinii polei meteoelementov na elektronnoi vychislitel'noi mashine [Algorithm for constructing isolines of fields of meteorological elements on a computer] (*with* **Chetverikov, I. A.**), 19.4-143
Sviridova, S. G., *see* **Morskoi, G. I.**, 19.4-154
Svirina, V. V.
O sviazi urozhaia kukuruzy s pokazatelem zasushlivosti [Relation between corn yields and the drought index], 19.9-512
See also **Konstantinov, A. R.**, 19.11-457
Svistov, P. F., *see* **Drozdova, V. M.**, 19.12-357
Svoboda, Alex
Die Verwendbarkeit verschiedener Methoden zur Berechnung der Bewegung und Abflachung von Hochwasserwellen in natuerlichen Flussbetten des Einzugsgebietes der Donau [Applicability of various methods for computing the movement and flattening of flood waves in natural stream beds of the Danube catchment], 19.3-723
Swaim, Robert L.
Gust velocity spatial distribution effects on lateral-directional response of VTOL aircraft (*with* **Connors, A. J.**), 19.6-59
Swallow, J. C.
Equatorial undercurrent in the western Indian Ocean in 1964, 19.9-782
See also **Rakestraw, N. W.**, 19.3-27
Swaminathan, D. R.
Formation, intensification and unusual movement of the storm of Nov. 8, 1965, 19.4-222
Swaminathan, M. S., *see* **Venkiteshwaran, S. P.**, 19.4-258
Swan, Paul R., *see* **Reese, D. E.**, 19.10-680
Swanson, A. Einar
Tornado considerations in nuclear power plant design (*with* **Stippich, R. E.** and **Bates, F. C.**), 19.10-265
Swarm, H. Myron, *see* **Biggs, A. W.**, 19.12-468; **Reynolds, D. K.**, 19.4-557
Swartman, R. K.
Solar radiation estimates from common parameters (*with* **Ogunlade, O.**), 19.6-103
Swarup, G.
Radio observations of the quiet Sun at 49 cm (*with others*), 19.6-576
Swarzenski, W. V., *see* **Greenman, D. W.**, 19.11-813
Swarztrauber, P. N., *see* **Weinman, J. A.**, 19.7-306
Sweers, Henk E., *see* **Malmberg, S. A.**, 19.11-695
Swenson, G. W.
Correlator array, 19.9-31
Swensson, J. W.
Forbidden lines of neutral carbon in the solar spectrum, 19.1-507
Swider, W., Jr.
On the accuracy of certain approximations for the Chapman function (*with* **Gardner, M. E.**), 19.1-332
Radiative association: possible important loss process for metallic ions in the ionosphere, 19.7-536
Role of nitric oxide in the sunrise E-region (*with* **Keneshea, T. J.**), 19.8-533
Swift, Daniel W.
Further possible consequences of the asymmetric

development of the ring current belt: effect of variations in ionospheric conductivity, 19.8-534
New interpretation of long period micropulsations, 19.4-521
Possible consequences of Akasofu's neutral hydrogen hypothesis, 19.8-593

Swift, C. T.
Effects of the plasma sheath on antenna performance (*with* **Hodara, H.**), 19.11-105

Swinbank, W. C.
Experimental study in micro-meteorology (*with* **Dyer, A. J.**), 19.3-357

Swings, Jean Pierre
Presence of forbidden lines of ionized iron in the solar absorption spectrum, 19.12-653
See also **Grevesse, N.**, 19.8-685; **Lambert, D. L.**, 19.1-505

Swinnerton, J. W.
Sensitive gas chromatographic method for determining carbon monoxide in seawater (*with* **Linnenbom, V. J. and Cheek, C. H.**), 19.12-704

Swisher, R. L., *see* **Frank, L. A.,** 19.6-539

Swithinbank, Charles, *see* **Armstrong, T.,** 19.2-47

Switzerland. Meteorologische Zentralanstalt
Annalen [Yearbook], 19.7-123

Syamala Rao, B. C.
[Discussion of] S. O. Russell and J. W. Ball: Sudden-enlargement energy dissipation for Mica Dam (*with others*), 19.12-806

Sycheva, E. F.
Kharakteristika otklonenii klimaticheskogo polia oblachnosti za period MGG i MGS ot mnogoletnikh dannykh [Characteristics of the deviation of the climatic field of cloudiness during the IGY and IGC from long period data], 19.7-392

Sychra, Jaroslav
On the problem of radiolocation of small meteorological objects, 19.11-121

Syiko, A. A.
Research on wind-parameter transducers (*with* **Surazhskii, D. Ia. and Torochkov, V. Iu.**) [Transl. from Russ.], 19.11-148

Symposium on Cosmical Gas Dynamics, 5th, Nice Observatory, Sept. 1965
Aerodynamic phenomena in stellar atmospheres, 19.9-32

Symposium on Hydrometeorology of India with Special Reference to Flood Forecasting and Warning, New Delhi, March 1964
Proceedings, 19.8-21

Symposium on Isotopes in Hydrology, Vienna, Nov. 1966
Isotopes in hydrology: Proceedings of the Symposium held by the International Atomic Energy Agency, 19.8-26

Symposium on Meteor Orbits and Dust, Cambridge, Mass., Aug. 1965
Meteor orbits and dust: the Proceedings of a Symposium, 19.1-20

Symposium on Pacific-Antarctic Sciences, Univ. of Tokyo, Aug. 1966
Proceedings, 19.2-20

Symposium on Polar Meteorology, Geneva, Sept. 1966
Polar meteorology, 19.12-14

Symposium on Radioactive Dating and Methods of Low-Level Counting, Monaco, March 1967
Radioactive dating and methods of low-level counting: Proceedings of a Symposium organized by the International Atomic Energy Agency in cooperation with the Joint Commission on Applied Radioactivity (ICSU), 19.10-19

Symposium on Radioisotope Tracers in Industry and Geophysics, Prague, Nov. 1966
Radioisotope tracers in industry and geophysics: Proceedings of the Symposium, 19.10-20

Symposium on the Great Lakes as Models for Sea-Air Interaction Studies, Univ. of Michigan, Oct. 1967
Summary of the conference, 19.12-21

Symposium on Wind Effects on Buildings and Structures, 3rd, Loughborough, Eng., April 1968
Proceedings, 19.11-36

Syono, S.
Numerical simulation of nucleating process of model molecules (*with* **Kimura, R.**), 19.8-417
Scatter of freezing points expected from the homogeneous nucleation (*with* **Kimura, R.**), 19.3-275

Szabo, B. J.
Radium and radiocarbon in Caribbean waters (*with* **Koczy, F. F. and Oestlund, G.**), 19.1-544

Szczecinski, Czeslaw
Meteorology for all [Transl. from Polish], 19.6-5

Szczypa, Stanislaw
Analiza harmoniczna dobowych zmian pola magnetycznego Ziemi w latach 1957/1958 [The harmonic analysis of the geomagnetic quiet daily variations in 1957/1958], 19.5-494

Szeicz, G.
Field measurements of energy in the 0.4-0.7 micron range, 19.2-93

Szepesi, Anna (Lorincz)
Karpat-medence hidroklimajanak jellemzi [Characteristics of the hydroclimate of the Carpathian Basin], 19.2-597

Szepesi, Dezso
Kendioxid atlagos eloszlasanak meghatarozasa eromuvek korzetere [Determination of the average distribution of sulphur dioxide in the surroundings of power stations], 19.1-151
Optimalis kemenymagassag meghatarozasa elektronikus szamitogep segitsegevel [Determination of optimal stack height by using a highspeed computer], 19.12-276

T

TRW Systems. Florida Operations, Cape Canaveral, Fla.
Ocean environment, sound velocity and position estimation [at] AUTEC Weapons Range, 19.12-690

Taba, H.
National meteorological services of Central America, the Caribbean countries and territories, 19.7-35

Tabata, Tadashi
Studies of ice accumulation on ships, Pt. 1 (*with* **Iwata, S.** and **Ono, N.**) [Transl. from Japanese], 19.9-491
Studies of the mechanical properties of sea ice, Pt. 10, 19.12-762; Pt. 11 (*with* **Fujino, K.** and **Aota, M.**), 19.12-763
Tachalov, S. N.
Osobennosti termicheskogo rezhima Ivan'kovskogo i Uglichskogo vodokhranilishch [Features of the thermal regime of Ivankovo and Uglich Reservoirs], 19.6-788
See also **Butorin, N. V.**, 19.6-776
Tackett, Stanford L.
Electrolytic dissolution of iron meteorites (*with others*), 19.11-667
Taenczer, Tibor
Muholdak adatainak felhasznalasa a moszkvai Meteorologiai Vilagkozpontban [Utilization of the satellite data at the World Meteorological Center in Moscow], 19.1-95
Taft, Bruce A.
Equatorial currents, 19.4-665
Equatorial undercurrent of the Indian Ocean, 1963, 19.9-783
Equatorial undercurrent of the Indian Ocean as observed by the Lusiad Expedition (*with* **Knauss, J. A.**), 19.5-14
Taggart, Charles I., *see* **Lee, R.,** 19.9-495
Tagliaferri, G. L., *see* **Landini, M.,** 19.9-252
Taieb, C.
Quick model method for obtaining real-height parameters from routine ionospheric data, 19.2-381
Tailakov, T.
Ob uslovii obrazovaniia fena nad Severnym Kavkazom [Condition for foehn formation over the Northern Caucasus], 19.3-236
Takacs, L.
Vertikale temperaturschichtung im Boden und ein mathematisches Modell derselben, II [Vertical stratification of the soil temperature and its mathematical model, Pt. 2], 19.9-415
Takagi, Sihei
Observation for snow accretion on overhead power line conductor, 19.6-413
Takagi, Masumi, *see* **Ishikawa, H.,** 19.11-521
Takahashi, Kozo
On the relation between the solar activity cycle and the solar tidal force induced by the planets, 19.12-633
See also **Tsuchiya, A.,** 19.9-668
Takahashi, Tsutomu
Snow crystal sonde by the use of shadow photograph (*with* **Kumazawa, Y.**), 19.6-153
Thermoelectric properties of ice, 19.11-769
Takakura, Tadashi
Predicting air temperatures in the glasshouse, Pt. 2, 19.11-186
Temperature gradients in the greenhouse, 19.2-52
Takakura, Taksuo
Energy distribution of electrons producing microwave impulsive bursts and X-ray bursts from the Sun (*with* **Kai, K.**), 19.3-532
Theory of solar bursts, 19.2-486
Time variation of the spectrum of gyrosynchrotron emission from the Sun (*with* **Uchida, Y.** and **Kai, K.**), 19.10-662
Takano, Kenzo
[Comments on] K. Hidaka: Non-linear computation of the equatorial upwelling, 19.6-678
Effet de la sphericite de la terre sur la circulation generale dans un ocean, 19.5-661
Possible effect of the bottom topography on the general circulation in an ocean, 19.5-677
Takao, Kazuaki
Temporary radiation zones caused by geomagnetic storms (*with* **Nakadan, Y.**), 19.12-537
X-ray events at the end of Aug. 1966, 19.9-383
Takechi, Osamu, *see* **Haseba, T.,** 19.3-269
Takeda, Kyoichi
Diagram for heat units, 19.2-160
Takeda, Takao
Solid precipitation in supercooled cloud, Pt. 1, 19.12-333
Takenouchi, Toshio
Hydrologic study of the Mekong Basin, 19.7-781
Takenouti, A. Y.
Minimum characteristic requirements for automatic observational stations for oceanography, 19.6-649
Takeuchi, Donald M., *see* **MacCready, P. B., Jr.,** 19.12-331
Takeuchi, Hajime
Altitude dependence of cosmic-ray intensity in the atmosphere, 19.3-439
Takeuchi, Hitoshi
Debate about the Earth: approach to geophysics through analysis of continental drift (*with* **Uyeda, S.** and **Kanamori, H.**) [Transl. from Japanese], 19.11-26
Takeuchi, K.
Relationship between different correlation coefficients in the atmospheric boundary layer, 19.10-347
Takeuchi, Masao, *see* **Kuroiwa, D.,** 19.12-385
Takezawa, Mitsuo, *see* **Kubo, M.,** 19.10-766
Tal, Abraham A.
Numerical solution of the radiative transfer equation, 19.5-188
Taliaferro, William J.
Operation PCV, 19.3-63
Taljaard, J. J.
Development, distribution and movement of cyclones and anticyclones in the Southern Hemisphere during the IGY, 19.3-192
Standard deviation of daily sea-level pressure and 500 mb height over the Southern Hemisphere during the IGY, 19.9-418
Tamao, Tsutomu
Heating of the thermal plasma in the inner magnetosphere, 19.3-520
Tamers, M. A.
Surface-water infiltration and groundwater movement in arid zones of Venezuela, 19.10-475
Tammet, Kh. F.
Optimum characteristics of aspiration counters of atmospheric ions [Transl. from Russ.], 19.12-100

- **Tamura, Yuichi**
  - Statistical studies on the electrification of minor showerclouds, 19.3-370
- **Tanabe, Hiroyoshi**
  - Rocket observations of the brightness of the zodiacal light (*with* **Huruhata, M.**), 19.11-668
- **Tanaka, Eiichi**
  - Personal radiation alarm dosimeter, 19.8-119
- **Tanaka, Haruo**
  - Absolute calibration of the flux density of solar radio emission (*with* **Kakinuma, T.**), 19.9-31
  - Relation between 27-day recurrence tendency of K_p and solar radio emission derived from interferometric observations (*with* **Kakinuma, T.**), 19.3-495
- **Tanaka, K.**
  - On the meteorological characteristics around Owase in view of air-pollution problems, 19.9-266
- **Tanaka, Masaaki**
  - On the transport and distribution of giant sea-salt particles over land, Pt. 1, 19.3-277
- **Tanaka, Yoshihito**
  - Correlation between VLF hiss and geomagnetic activity in Hokkaido (*with* **Kashiwagi, M.**), 19.11-593
  - *See also* **Iwai, A.**, 19.10-640
- **Tanaka, Yoshikazu,** *see* **Ogawa, T.**, 19.3-533
- **Tandberg-Hanssen, Einar**
  - Comments on a flare of Sept. 20, 1966, 19.1-496
  - Solar activity, 19.10-12
- **Tang, Frederick L. W.,** *see* **Ijima, T.**, 19.10-380
- **Tani, Itiro**
  - Review of some experimental results on boundary-layer transition, 19.11-315
  - *See also* **International Symposium on Boundary Layers and Turbulence including Geophysical Applications, Kyoto, Japan, Sept. 1965**, 19.9-27
- **Tanner, C. B.**
  - Measurement of evapotranspiration, 19.7-98
  - *See also* **Fuchs, M.,** 19.2-267; 19.8-79; **Kerr, J. P.**, 19.9-364
- **Tannhaeuser, I. O.**
  - Theoretical investigations in the 4.5 micron region with regard to inversion experiments, 19.8-342
- **Tanno, Kouzou**
  - Immediate termination of prepupal diapause in poplar sawflys by body freezing, 19.7-323
  - *See also* **Asahina, E.**, 19.7-377
- **Tantry, B. A. P.,** *see* **Somayajulu, V. V.,** 19.11-522; **Wadehra, N. S.,** 19.3-375; 19.5-391; 19.6-471
- **Tanuma, Kunio**
  - Relation between the heave amount and water content during unidirectional soil freezing, Pt. 1, 19.9-413
- **Tappan, Helen**
  - Primary production, isotopes, extinctions and the atmosphere, 19.11-486
- **Tarabek, Koloman**
  - Problemy klimogeografickej regionalizacie [Problems of climatogeographical regionalization], 19.10-474
- **Tarakanov, G. G.**
  - Vertical movements in the atmosphere over the Antarctic [Transl. from Russ.], 19.2-258
- **Tarasenko, D. A.**
  - Nekotorye kharakteristiki atmosfernykh protsessov vdol' Moskovskogo meridiana [Some characteristics of atmospheric processes along the Moscow meridian], 19.5-185
  - *See also* **Kostianoi, G. N.**, 19.5-223
- **Tarasov, B. V.,** *see* **Borisenkov, E. P.**, 19.11-175
- **Tarasov, M. N.**
  - O gidrokhimicheskikh issledovaniiakh [Hydrochemical research], 19.4-741
- **Taraszkiewicz, Wladyslaw**
  - Characteristics of heavy rains and storms over Poland in the years 1956-1960 [Transl. from Polish], 19.10-421
- **Tarbeev, Iu. V.**
  - Subpoliarnyi gidrologicheskii front v severnoi chasti Tikhogo okeana i teplovye protsessy v privodnom sloe atmosfery [Subpolar hydrological front in the northern Pacific and thermal processes in the atmospheric layer near the water] (*with* **Zakablukovskii, A. P.**), 19.9-442
- **Tashenov, B. T.,** *see* **Livshits, G. Sh.**, 19.9-381
- **Tassy, O.,** *see* **Bodrogkoezy, Gy.**, 19.11-492
- **Tatarskii, V. I.**
  - Fluktuatsii pri rasprostranenii elektromagnitnykh voln v predelakh priamoi vidimosti [Line-of-sight propagation fluctuations], 19.12-55
  - *See also* **International Colloquium on the Fine-Scale Structure, Moscow, June 1965**, 19.11-37
- **Tatro, Peter R.,** *see* **Wolff, P. M.**, 19.9-763
- **Tattelman, Paul I.**
  - Duration of cold temperature over North America, 19.10-302
- **Taub, I. A.,** *see* **Eiben, K.**, 19.7-764
- **Taubenfeld, Howard J.**
  - Law and weather modification (*with* **Taubenfeld, R. F.**), 19.11-218
- **Taubenfeld, Rita F.,** *see* **Taubenfeld, H. J.,** 19.11-218
- **Taubenheim, J.,** *see* **Ohle, K. H.**, 19.4-437
- **Tauber, Alfons F.,** *see* **Fritsch, V.**, 19.3-712
- **Tauber, G. M.**
  - Atmospheric circulation in the Antarctic, 19.3-169
  - Vzaimosviazi zonal'noi i meridional'noi tsirkuliatsii i ikh anomalii v severnom i iuzhnom polushariiakh [Interrelationships of zonal and meridional circulation and their anomalies in the Northern and Southern Hemispheres], 19.11-321
- **Tavdgiridze, T. L.**
  - Rasseianie nizkochastotnykh prodol'nykh voln na zariazhennykh chastitsakh v magnitoaktivnoi plazme [Scattering of low-frequency longitudinal waves on charged particles in a magnetoactive plasma] [and Eng. transl.], 19.10-658
- **Tavenner, Michael S.,** *see* **Cook, J. A.**, 19.5-92
- **Tayler, R. J.**
  - Helium problem, 19.6-568

Taylor, C. H.
  Relations between geomorphology and stream flow in selected New Zealand river catchments, 19.6-763
Taylor, Dee F.
  Meteorological conditions of the Hellgate Fire (*with* **Williams, D. T.**), 19.9-108
Taylor, H. A., Jr.
  Contraction of the plasmasphere during geomagnetically disturbed periods (*with* **Brinton, H. C.** and **Pharo, M. W., III**), 19.7-592
Taylor, J. B., *see* **Silverman, S. M.,** 19.4-31
Taylor, J. E., *see* **Richards, D. J. W.,** 19.12-300
Taylor, J. H.
  Two-dimensional brightness distributions of radio sources from lunar occultation observations, 19.4-571
Taylor, J. L., *see* **Blake, G. J.,** 19.6-410
Taylor, James Allen
  Economic and ecological productivity under British conditions: an introduction, 19.7-467
  Frost: its physical, biological and economic significance, 19.10-306
  Growing season as affected by land aspect and soil texture, 19.7-442
  Marling experiments to measure the modification of soil temperature regimes and relative productivity of Lancashire Mosslands, 19.7-333
  Soil climate: its definition and measurement, 19.7-462
  Weather and agriculture (*ed.*), 19.5-20
  See also **Rutter, N.,** 19.8-441; **Wales. Univ. College, Aberystwyth,** 19.9-26
Taylor, P. T., *see* **Langseth, M. G., Jr.,** 19.5-686
Taylor, P. W.
  Effects of turbulence on the aeroelastic behaviour of light cladding structures (*with* **Johns, D. J.**), 19.12-302
Taylor, S. A., *see* **Holmes, J. W.,** 19.7-93
Taylor, V. Ray, *see* **Winston, J. S.,** 19.4-247
Taylor-Ellis, E. C.
  Boundary-layer meteorology as derived from reduction of the frigorimeter data, Pt. 2, Polar zones, 19.3-97
Tchen, Sumin, *see* **Eslinger, C.,** 19.12-84
Tebbens, Bernard D.
  Gaseous pollutants in the air, 19.8-238
Tebuev, D. I.
  K voprosu opredeleniia dinamicheskikh kharakteristik nekotorykh vidov snezhnykh lavin [Determination of the dynamic characteristics of some types of snow avalanches] (*with* **Khalkechev, V. A.**), 19.10-444
Technical Operations, Inc., Burlington, Mass., *see* **Schwenke, T. W.,** 19.1-6
Technology, Inc., Dayton, Ohio, *see* **Phillips, N. S.,** 19.2-68
Teddington, Engl. National Physical Lab., *see* **Symposium on Wind Effects on Buildings and Structures, 3rd, Loughborough, Eng., April 1968,** 19.11-36
Teegarden, B. J.
  Atmospheric secondary and re-entrant albedo protons, 19.1-422
  Cosmic-ray production of deuterium and tritium in the Earth's atmosphere, 19.1-165
  Study of low-energy galactic cosmic rays from 1961 to 1965, 19.3-444
Teeter, J. L.
  Detectors for active sonar, 19.11-704
Teifel', V. G.
  Raspredelenie molekuliarnogo pogloshcheniia metana na diske Iupitera v blizhnei infrakrasnoi oblasti (0.7 - 1.0 μ) [Distribution of molecular methane absorption on the disk of Jupiter in the nearest infrared region (0.7 - 1.0 μ)], 19.12-606
Teitelbaum, H.
  Mesure de l'echelle interne de la turbulence atmospherique entre 80 et 100 km d'altitude, 19.6-326
  See also **Blamont, J. E.,** 19.10-356
Telcom, Inc. McLean, Va.
  Geostationary Operational Environmental Satellite (GOES) data collection system, Task 2: (Design of remote and master terminals): Final Report, 19.11-607
Telford, J. W.
  Convective mechanism in clear air [Comments by B. R. Morton], 19.5-271
Tel'tsov, M. V., *see* **Tverskaia, L. V.,** 19.5-522
Temny, V. V., *see* **Galperin, Iu. I.,** 19.8-591
TenBroek, H. W.
  Low frequency electric field characteristics of clear air turbulence (*with* **Seashore, C. R.**), 19.10-359
Teneva, Marinka
  Zavisimost na estestvenata radioaktivnost na prizemniia vuzdukh ot temperaturnite inversii v atmospherata [Dependence of natural radioactivity of the surface air layer on inversions of temperature in the atmosphere] (*with* **Manolov, L.**), 19.9-296
  See also **Manolov, L.,** 19.1-143, 166
Tennent, R. M.
  Haverah Park extensive air shower array, 19.7-579
Tennessee Valley Authority. Div. of Navigation Development
  Benefit-cost analysis for water resource projects: a selected annotated bibliography, 19.5-771
Terbeek, Howard G., *see* **Sinclair, D. H.,** 19.9-175
Tereshko, A. G., *see* **Bondarenko, A. L.,** 19.2-537
Ter Haar, D.
  On the origin of the solar system, 19.6-586
Ter Haar, G. L.
  Lead and lead-210 in rainwater (*with* **Holtzman, R. B.** and **Lucas, H. J., Jr.**), 19.4-342
Ter-Markariants, N. E., *see* **Zhvalev, V. F.,** 19.1-220; 19.5-121
Terrell, P. W., *see* **Lauritzen, C. W.,** 19.7-373
Tessman, Nikolai Fedoseevich
  Polevaia praktika po meteorologii i gidrologii [Field practice in meteorology and hydrology], 19.7-25
Teweles, Sidney
  Upper atmosphere investigations require coordinated approach, 19.1-66
  See also **United States Committee on Extension to the Standard Atmosphere,** 19.2-9

Texas. Agricultural and Mechanical Univ., College Station. Dept. of Met., *see* **Henry, W. K.,** 19.2-17; **Thompson, A. H.,** 19.9-355

Texas Instruments Inc., Dallas
- United States Naval Oceanographic Office marine geophysical survey program, 1965-1967, North Atlantic Ocean, Norwegian Sea and Mediterranean Sea, Area 1, Vol. 8, Field operations, 19.4-610

Texas. Univ., Austin. Electrical Engineering Research Lab., *see* **Plunkett, A. B.,** 19.8-376

Thackeray, A. D.
- Daytime spectra of comet Ikeya-Seki near perihelion (*with* **Feast, M. W.** and **Warner, B.**), 19.3-587

Thaller, M.
- Meteorological data acquisition by means of a simple automatic station, 19.9-198

Thambyahpillai, T., *see* **Dutt, J. C.,** 19.6-521

Thams, J. C., *see* **International Congress on Alpine Meteorology, 9th, Brig, Switzerland, Sept. 1966,** 19.6-24; **Schmid, P.,** 19.3-134; **Schram, K.,** 19.12-236

Thayarnyong, Somchai, *see* **Sandstroem, A. E.,** 19.12-523

Theakston, F. H.
- Quantitative analysis of snow deposition by use of models in a water flume (*with* **Naraine, D.**), 19.6-419

Theakstone, W. H.
- Basal sliding and movement near the margin of the glacier Oesterdalsisen, Norway, 19.5-718

Theimer, O.
- Thermodynamic functions of free protons and electrons in a hydrogen plasma (*with* **Kepple, P.**), 19.6-562

Thein, M.
- Radiocerium concentrations in ground-level air after the nuclear explosion of May 9, 1966 (*with* **Johnson, H.** and **Kuroda, P. K.**), 19.9-301

Theisen, Robert J.
- Development of a water supply forecasting method for the North Platte River near Northgate, Colorado, 19.8-193

Theiss, John B., *see* **Battan, L. J.,** 19.5-270

Theodoridis, G. C.
- Pitch angle diffusion of relativistic outer belt electrons (*with* **Paolini, F. R.**), 19.3-498
- *See also* **Paolini, F. R.,** 19.2-471

Theodorsson, P.
- Natural tritium in groundwater studies, 19.9-850

Theon, J. S.
- Observations of the Southern Hemisphere stratosphere and mesosphere (*with* **Horvath, J. J.**), 19.12-260
- Some meteorological observations of the Southern Hemisphere stratosphere and mesosphere (*with* **Horvath, J. J.**), 19.11-140

Theves, B.
- Ein kontinuirlich messender und registrierender photoelektrischer Kondensationskernzaehler [Continuous photoelectric measurement and recording condensation nuclei counter], 19.1-111

Thilo, L., *see* **Muennich, K. O.,** 19.9-845

Thom, H. C. S.
- Standard deviation of monthly average temperature, 19.11-363

Thomas, C. A.
- Use of snow surveys to forecast inflow to Snake River between Milner and King Hill, Idaho, 19.8-184

Thomas, David
- Climate and cropping in the early nineteenth century in Wales, 19.7-55

Thomas, Gary E.
- Analytic solutions of the heat conduction equation in the thermosphere, 19.7-243
- Dynamical response of the thermosphere to impulsive heating (*with* **Ching, B. K.**), 19.8-260

Thomas, Harold E.
- Groundwater supply and development (*with* **Peterson, D. F., Jr.**), 19.7-813

Thomas, Lance
- Absorption of solar X rays and density changes between 140 and 160 kilometers (*with* **Norton, R. B.**), 19.4-175
- Ionospheric implications of aurora and airglow studies, 19.2-382

Thomas, M. K.
- Guide to the climatic maps of Canada (*with* **Anderson, S. R.**), 19.11-47

Thomas, Richard N. (*ed.*), *see* **Symposium on Cosmical Gas Dynamics, 5th, Nice Observatory, Sept. 1965,** 19.9-32

Thompson, Aylmer H.
- On the statistical relations between NIMBUS II MRIR data and lower tropospheric moisture content (*with* **Morrissette, J. F.** and **Bell, C. W.**), 19.9-355
- Use of satellite cloud pictures to estimate average relative humidity below 500 mb, with application to the Gulf of Mexico area (*with* **West, P. W.**), 19.3-58
- *See also* **Van Loon, H.,** 19.9-660

Thompson, Bertrand J.
- Comparison of objective and subjective environmental analyses, 19.12-697

Thompson, Donald C.
- Aerodynamic heating of miniature bead thermistor thermometers in a rarified airstream, 19.9-177
- On the errors of a thin-film mounted rocketsonde thermistor, 19.8-102

Thompson, G. D.
- Daily measurements of potential evapotranspiration from fully canopied sugarcane (*with* **Boyce, J. P.**), 19.1-286

Thompson, Moody C., Jr.
- Effects of propagation on measurements of distances, angle of arrival, and Doppler effect in ground-to-ground systems, 19.9-30
- Space averages of air and water vapor densities by dispersion for refractive correction of electromagnetic range measurements, 19.9-126
- Summary of progress in problems related to terrestrial electronic distance measuring in the United States, 19.4-52

Thompson, N.
  Interaction between the oceans and the atmosphere, 19.10-750
Thompson, Owen E., *see* **Darkow, G. L.**, 19.2-241
Thompson, T. H., *see* **Cruff, R. W.**, 19.3-267; **Rantz, S. E.**, 19.2-593
Thompson, William I., III
  Observations bearing on the Kippenhahn-Schlueter quiescent prominence model (*with* **Billings, D. E.**), 19.1-498
Thomson, A. B.
  Water yield from snow, 19.11-476
Thomson, Andrew
  First Congress of the Canadian Meteorological Society, 19.6-47
Thomson, J. H.
  Two-dimensional aperture synthesis in lunar radar astronomy (*with* **Ponsonby, J. E. B.**), 19.8-645; 19.9-31
  See also **Ponsonby, J. E. B.**, 19.9-30
Thomson, J. M., *see* **Powell, C.**, 19.6-640
Thornthwaite, C. W., Associates, Lab. of Climatology, Elmer, N. J.
  Factors of the heat and water balance of different surfaces, 19.6-287
Thornton, J. F., *see* **Jamison, V. C.**, 19.9-93
Thrane, E. V.
  Measurements of D-region electron densities during the International Quiet Sun Years (*with others*), 19.6-504
Thurtell, G. W., *see* **Kerr, J. P.**, 19.9-364
Tianinen, Pentti O.
  Dependence of decametric radio emission from Jupiter on the positions of the first two Galilean satellites, 19.8-642
Tickell, W. L. N., *see* **Richards, P. A.**, 19.11-126
Tidman, D. A.
  Emission of plasma waves by the Earth's bow shock (*with* **Northrop, T. G.**), 19.7-627
Tik, Chiyu
  Three dimensional analysis of a tropical cumulonimbus cloud over the Malayan Peninsula (Clouds over the Pacific Ocean, Pt. 5) (*with* **Magono, C.**), 19.3-283
Tikhomirov, A. I.
  Raschet srednikh mesiachnykh temperatur poverkhnosti vody Ladozhskogo ozera [Calculation of mean monthly water temperatures of Lake Ladoga], 19.8-368
Tikhonravov, M. K.
  Desiat' let issledovaniia kosmosa v SSSR [10 years of research on the cosmos in the U.S.S.R.] (*with others*) [and Eng. transl.], 19.4-100
Tillman, J. E., *see* **Cramer, H. E.**, 19.1-246
Tillmann, Walter
  Development of turbulence during the build-up of a boundary layer at a concave wall, 19.10-348
Timanovskaia, R. G.
  Opredelenie luchistogo pritoka tepla v prizemnom sloe atmosfery [Measurement of radiative heating of the surface layer of the atmosphere] (*with* **Faraponova, G. P.**) [and Eng. transl.], 19.10-286
Timchenko, Z. A., *see* **Beilinson, M. M.**, 19.11-190
Timme, Richard C., *see* **Ford, J. R.**, 19.9-791
Timofeev, Iu. M., *see* **Glasko, V. B.**, 19.12-245; **Kondrat'ev, K. Ia.**, 19.6-63
Timofeev, M. P.
  Teploobmen mezhdu vodnoi poverkhnost'iu i atmosferoi [Heat exchange between the water surface and the atmosphere], 19.1-238
  See also **Zaitsev, A. S.**, 19.1-258
Timofeev, N. A.
  Nekotorye rezul'taty rascheta korotkovolnovoi radiatsii v sistem okean-atmosfera [Some results of the calculation of shortwave radiation in the ocean-atmosphere system], 19.4-245
  Opredelenie effektivnogo izlucheniia poverkhnosti okeana po summarnoi radiatsii [Determination of the effective radiation from the ocean surface based on global radiation], 19.4-252
Timofeeva, V. A.
  Eksperimental'noe izuchenie svetovogo polia v mutnykh sredakh [Experimental study of the light field in turbid media], 19.2-548
  Podvodnaia osveshchennost' v Chernom more i ee sviaz' planktonom [Underwater illumination in the Black Sea and its relation to plankton], 19.2-549
  Vliianie asimmetrii osveshcheniia na svetovoe pole vnutri mutnoi sredy [Influence of the illumination asymmetry on the light field inside a turbid medium] (*with* **Vostroknutov, A. A.** and **Koveshnikova, L. A.**) [and Eng. transl.], 19.7-737
Timokhov, L. A.
  K voprosu o dinamike i kinematike l'dov [Dynamics and kinematics of ice floats], 19.11-753
  O dinamike ledianogo pokrova i izmenenii ego splochennosti [Dynamics of the ice cover and changes in its solidity], 19.1-579
  Odnomernyi stokhasticheskii dreif l'dov [One-dimensional stochastic ice drifting], 19.10-776
Timoshchuk, V. I., *see* **Bogdanova, A. K.**, 19.9-767
Tindo, I. P., *see* **Mandel'shtam, S. L.**, 19.2-491; **Suslov, A. A.**, 19.1-421
Tinsley, Brian A.
  Measurements of twilight helium 10,830 Å emission, 19.6-460
Tippe, A., *see* **Brill, R.**, 19.8-749
Tirumalesa, Duvvuri
  Two-phase flow equations for turbulent boundary-layer-type flows, 19.4-280
Tistea, Dumitru
  Determinarea valorilor maxime ale umezelii relative a aerului, corespunzatoare diferitelor temperaturi, in scopuri tehnice [The determination for technical purposes of relative air humidity maximum values corresponding to different temperatures] (*with* **Vinogradov, M.** and **Bogorodita, N.**), 19.11-426
Titheridge, J. E.
  Characteristics of large ionospheric irregularities, 19.6-505
  Direct manual calculations of ionospheric parameters using a single-polynomial analysis, 19.2-383

Distribution of irregularities in the Antarctic ionosphere, Pt. 1 (*with* **Stuart, G. F.**), 19.6-506
Nighttime changes in the electron content of the ionosphere, 19.9-607
Overlapping-polynomial analysis of ionograms, 19.2-384
Periodic disturbances in the ionosphere, 19.4-453

Titkos, Ervin
Foeldfelszini nyomasmezo elorejelzese [Forecasting the pressure field near the ground], 19.12-127

Titman, C. W.
Experiments on Taylor columns over holes, 19.3-569

Titov, L. F.
Statisticheskie zakonomernosti raspredeleniia volnoobrazuiushchikh faktorov [Statistical regularities in the distribution of wave generating factors] (*with* **Zubova, M. M.**) [and Eng. transl.], 19.6-343

Titov, V. B.
K izucheniiu struktury sloia pridonnogo treniia u otmelogo berega [Study of the structure of the bottom friction layer near a shallow coast] (*with* **Osadchii, A. S.**) [and Eng. transl.], 19.4-671

Titov, V. I.
Nekotorye klimaticheskie kharakteristiki dal'nosti gorizontal'noi vidimosti menee 1 km [Some climatic characteristics of horizontal visibility of less than 1 km], 19.9-550
Nekotorye klimaticheskie kharakteristiki oblachnosti vysotoi 200 m i nizhe na Evropeiskoi territorii SSSR [Some climatic characteristics of cloudiness at a height of 200 m and below in the European U.S.S.R.], 19.10-410

Titulaer, C., *see* **De Vries, Tj. E.**, 19.3-552

Tiulina, T. Iu.
Puti resheniia problemy dvizheniia lednikov [Ways of solving the problem of movement of glaciers], 19.5-717

Tiurmina, L. O.
Nekotorye rezul'taty sfericheskogo garmonicheskogo analiza geomagnitnogo polia po dannym ISZ "Kosmos-49" [Some results of the spherical harmonic analysis of the geomagnetic field according to data of "Cosmos-49"] (*with* **Cherevko, T. N.**), [and Eng. transl.], 19.7-583

Tiushin, Iu. I.
Osnovnye printsipy stroitel'no-klimaticheskogo zonirovaniia Sibiri dlia tipovogo proektirovaniia grazhdanskikh zdanii [Fundamental principles of constructing climatic zones of Siberia for type planning of civilian buildings] (*with* **Koldomasov, L. I.** and **Pakhnevich, K. P.**), 19.12-440

Tiutnev, Ia. A.
Computation and forecast of ice phenomena in some ports of the Sea of Azov and of the Black Sea [Transl. from Russ.], 19.4-713

Tixier, Michel, *see* **Bouriot, M.**, 19.10-627; **Corcuff, Y.**, 19.1-353

Tkachenko, A. V., *see* **Prikhot'ko, G. F.**, 19.5-12

Tlamicha, A., *see* **Letfus, V.**, 19.2-484

Tlenbekov, O. K.
Uroven' vody ust'evoi oblasti r. Ural i ego izmenenie v sviazi s ponizheniem urovnia moria [Water level in the estuarine region of the Ural River and its variation in connection with a drop of the sea level], 19.9-841

Toba, Yoshiaki
Critical examination of the isopiestic method for the measurement of sea-salt nuclei masses, 19.3-278

Tobailem, Jacques
Mesure de l'abondance du sodium 24 dans la meteorite Saint-Severin (*with others*), 19.5-583

Tobias, Charles W., *see* **Cheh, H. Y.**, 19.6-366

Tochilenko, G. Ia.
O klimaticheskikh usloviiakh antropogena zony subtropicheskikh pustyn' Araviiskogo poluostrova [Climatic conditions during the anthropogenesis in the Arabian Peninsula], 19.2-310

Todaro, Cosimo
Contributo alla previsione statistica della temperatura media estiva a Milano, 19.10-169
See also **Cosentino, O.**, 19.1-240

Todd, Clement J.
Climatology of the potential for modifying convective clouds with ice-phase seeding (*with* **Peterman, W. A.** and **Schertz, D. C.**), 19.10-184

Tohmatsu, Takao, *see* **Nagata, T.**, 19.8-264, 330; **Ogawa, T.**, 19.1-382

Tokmakov, A. I.
Kharakteristika vetra na territorii Ukrainskikh Karpat [Wind characteristics in the Ukrainian Carpathians], 19.2-242

Tokuue, H., *see* **Sasyo, Y.**, 19.2-282

Tokyo. Tokai Regional Fisheries Research Lab.
Report [on] Oceanographical Investigation, No. 73, March 1967, 19.4-90

Tollner, Hanns
Ueber die Veraenderungen der Gletscher im Grossglockner- und Sonnblickgebiet in den Jahren 1963 und 1964 [Glacier variations in the Grossglockner and Sonnblick areas in 1963 and 1964], 19.3-670

Tolmazin, David Moiseevich
Statsionarnaia model' dvizheniia vod v stratifitsirovannom prolive v primenenii k Bosforu i nekotorym drugim prolivam [A stationary model of water motions in a stratified strait as applied to the Bosphorus and other straits], 19.10-738
See also **Al'tman, E. N.**, 19.5-666; **Bogdanova, A. K.**, 19.9-778; **Vinogradov, K. A.**, 19.7-715

Tolson, Robert H.
Analysis of the lunar gravitational field as obtained from lunar orbiter tracking data (*with* **Capcynski, J. P.**), 19.9-673

Tolstikhin, O. N.
Pritok vody ot naledei v basseine r. Indigirki [Water influx due to the ice layer in the Indigirka River basin], 19.6-726

Tolstikov, E. E.
Predstavlenie polei meteoelementov s pomoshch'iu alfavitno-tsifrovogo pechataiushchego ustroistva [Representation of fields of

meteorological elements with the aid of an alphanumeric printing system] (*with* **Chetverikov, I. A.**), 19.4-61

Tolstikov, Evgeni I.
Exploring the seventh Continent, 19.7-127

Tolstobrov, B. Ia., *see* **Gol'denberg, M. L.**, 19.8-109

Toman, K.
On the possible existence of a 29-day period in the sunspot number series 1940-1964, 19.3-590

Tomczak, Gerhard
Ueber die Aenderung der Oberflaechentemperatur der Nordsee im Zeitraum 1905-1954 [Changes of the North Sea surface temperature in the period from 1905 to 1954], 19.12-732

Tomczak, Matthias, Jr.
Ueber den Einfluss fluktuierender Windfelder auf ein stetig geschichtetes Meer [Influence of fluctuating winds on a continuously stratified ocean], 19.11-418

Tomkoria, B. N.
Complete thermodynamic analogy for transport processes (*with* **Scheidegger, A. E.**), 19.4-206

Tonner, Karl Friedrich, *see* **Richter, J.**, 19.1-506

Tooma, Samuel G., Jr.
Oceanography in the Channel Islands area off southern California, September and October 1965 (*with* **Iredale, H., III**), 19.12-675

Tooming, Kh.
Koeffitsienty perekhoda ot integral'noi radiatsii k FAR [fotosinteticheski aktivnoi radiatsii] v estestvennykh usloviiakh [Transition coefficients from integrated radiation to photosynthetic active radiation (PAR) under field conditions] (*with* **Niilisk, Kh.**), 19.8-322

Toporkov, L. G., *see* **Diubkin, I. A.**, 19.2-541

Toptygin, I. N., *see* **Dolginov, A. Z.**, 19.7-566; 19.8-556

Torborg, Ralph H., *see* **Higgs, R. W.**, 19.5-392

Torii, Tetsuya, *see* **Yamagata, N.**, 19.7-787

Tormoz, L. F., *see* **Glagolev, Iu. A.**, 19.9-173

Torochkov, V. Iu., *see* **Syiko, A. A.**, 19.11-148

Torr, D. G.
Ionospheric effects caused by electrons precipitated from the outer radiation belt (*with* **Torr, M. R.**), 19.5-426
See also **Torr, M. R.**, 19.5-427

Torr, Marsha R.
Precipitated electrons as a cause of the irregular behaviour of the F2 region (*with* **Torr, D. G.**), 19.5-427
See also **Torr, D. G.**, 19.5-426

Torrance, Victor B.
Investigation of the validity of current practice in simulating the velocity profile of the natural wind in wind-tunnels, 19.11-412

Tousey, Richard
Highlights of twenty years of optical space research, 19.8-465
Some results of twenty years of extreme ultraviolet solar research, 19.2-511

Toussaint, Marcel
Verification of the thermal mathematical model for artificial satellites: a new test philosophy, 19.10-651

Tout, D. G.
Climate of Barbados, 19.10-464

Tovornik, Mile
Meteoroloski pogoji zaledenitve letal [Meteorological conditions of icing on aircraft], 19.4-32

Townsend, D. E.
Experiment in regelation (*with* **Vickery, R. P.**), 19.6-713

Townsend, M. R., *see* **Hogan, G. D.**, 19.5-112

Toyota, Yoshimasa
Vertical distribution of iron, aluminum, silicon, and phosphorus in particulate matter collected in the western North Pacific, Indian, and Antarctic Oceans (*with* **Okabe, S.**), 19.5-650

Tozer, D. C.
Fractionation of iron in the solar system, 19.7-641
Pattern of geothermal heat flow, 19.12-738
Some aspects of thermal convection theory for the Earth's mantle, 19.8-568
See also **Harris, P. G.**, 19.6-585

Trajer, F. L.
Subtropical jet stream nomograms, 19.8-395

Trakhtengerts, V. Iu.
Generatsiia plazmennykh i elektromagnitnykh voln i nekotorye voprosy turbulizatsii potokov chastits v magnitosfere Zemli [Generation of plasma and electromagnetic waves and some questions of agitation of particle fluxes in the Earth's magnetosphere] [and Eng. transl.], 19.1-455

Trampus, Anthony, *see* **Ford, J. R.**, 19.9-791

Trask, Newell J.
Lunar orbiter photographs: some fundamental observations (*with* **Rowan, L. C.**), 19.7-662

Traub, J. F., *see* **Brown, W. S.**, 19.4-20

Travelers Research Center, Inc., Hartford, Conn.
Advances in numerical weather prediction, 19.7-13
See also **Bryan, J. G.**, 19.7-178; **Ostby, F. P.**, 19.3-281; **Russo, J. A., Jr.**, 19.6-171

Trefall, H., *see* **Broenstad, K.**, 19.6-510

Treffry, E. L., *see* **Janz, B.**, 19.11-465

Treshnikov, A. F.
Ice of the Southern Ocean, 19.7-775
Nauchnye issledovaniia v Arktike i Antarktike v 1965 g [Scientific investigations in the Arctic and Antarctic in 1965], 19.2-80

Treussart, H.
Contribution a l'etablissement de specifications techniques pour une station automatique isolee, 19.4-136

Triapitsyna, I. S., *see* **Sonechkin, D. M.**, 19.3-285

Triegaardt, D. O.
World Weather Watch, 19.5-64

Trifonov, G. P.
Avtomaticheskaia obrabotka rezul'tatov vetrovogo zondirovaniia na apparature "Agat" [Automatic processing of data from wind soundings on the "Agat" system], 19.9-135
See also **Prashko, D. V.**, 19.9-131

Trifonova, T. S.
Korreliatsionnaia zavisimost' temperatury pochvy na raznykh glubinakh [Correlation coefficient

of soil temperature at various depths], 19.4-271

Tripp, R. T.
Atlas of coastal surface drifts, Cape Town to Durban (*comp.*), 19.5-21

Triska, Pavel, *see* **Jiricek, F.,** 19.1-360

Triskova, Ludmila
Method of determining the efficiency of sporadic meteor radiants from forward-scatter data, 19.9-695
On the distribution and efficiency of sporadic meteor radiants, 19.7-676
Statistical properties of echoes from meteoric trails during forward scattering at 40 MHz, 19.6-579

Trofimov, I. L., *see* **Bobrov, V. N.,** 19.7-581

Troitskaia, V. A.
Geomagnetic micropulsations and diagnostics of the magnetosphere (*with* **Gul'elmi, A. V.**), 19.9-640
Micropulsations and the state of the magnetosphere, 19.8-590
O vozmozhnosti vliianiia ionosfernykh uslovii na formirovanie intervalov kolebanii ubyvaiushchego perioda v elektromagnitnom pole Zemli [Possible influences of ionospheric conditions on the formation of oscillation intervals of decreasing period in the electromagnetic field of the Earth] (*with* **Mal'tseva, N. F.**) [and Eng. transl.], 19.7-537
Osnovnye kharakteristiki korotkoperiodicheskikh kolebanii elektromagnitnogo polia Zemli tipa Pc i Pt v observatorii Mirnyi v 1960 g [Principal characteristics of short-period variations of the Earth's electromagnetic field (Pc and Pt type) in Mirny Observatory in 1960] (*with* **Shchepetnov, R. V.**), 19.3-484

Troshichev, O. A.
Sutochnyi khod magnitnoi aktivnosti v period MGG (spokoinye dni) [Diurnal variations of magnetic activity during the IGY period (quiet days)], 19.3-470
See also **Mishin, V. M.,** 19.5-488

Trotti, L.
Dati oceanografici raccolti durante l'AGI 1957/58 dal Centro Talassografico Tirreno, 19.9-734

Troup, A. J.
Opposition of anomalies of upper tropospheric winds at Singapore and Canton Island, 19.6-349

Trubnikov, B. N.
Cellular convection in the zone of nuctilucent clouds (*with* **Skuratova, I. S.**), 19.8-475
K teorii formirovaniia granitsy poliarnogo rezhima i aleutskogo antitsiklona v zimnei stratosfere severnogo polushariia [Theory of the formation of the boundary of the polar regime and of the Aleutian anticyclone in the winter stratosphere of the Northern Hemisphere], 19.8-359
K teorii volnovykh dvizhenii v serebristykh oblakov [On the theory of wave motion in nuctilucent clouds], 19.5-370
Nekotorye gidrodinamicheskie modeli lokal'nykh tsirkuliatsii v zone oblakov [Some hydrodynamic models of local circulation in the cloud zone], 19.11-306
Nekotorye voprosy teorii svobodnoi (iacheikovoi) i vynuzhdennoi konvektsii [Some aspects of the theory of free (cellular) and forced convection], 19.3-255
O vertikal'nom rasprostranenii krupnomasshtabnykh troposfernykh vozmuchchenii v stratosferu [Vertical propagation of large scale tropospheric perturbations in the stratosphere] (*with* **Shcherba, I. A.**), 19.10-200
See also **Ermakov, V. M.,** 19.10-202; **Geokhlanian, T. Kh.,** 19.10-308; **Ivanovskii, A. I.,** 19.3-251; **Riazanova, L. A.,** 19.10-206; **Shvidkovskii, E. G.,** 19.6-315; **Skuratova, I. S.,** 19.3-254; 19.10-207; **Vorob'eva, E. F.,** 19.3-256, 257; **Zhukova, L. P.,** 19.8-290, 291; 19.9-564

Truitt, Reginald V.
High winds . . . high tides: a chronicle of Maryland's coastal hurricanes, 19.9-344

Trujillo, Hector, *see* **Villegas, L.,** 19.11-98

Truppi, Lawrence E.
Bias introduced by anemometer starting speeds in climatological wind rose summaries, 19.9-450

Trusov, I. I.
Sutochnye maksimumy osadkov na Kube [Daily precipitation maxima in Cuba], 19.3-294

Truttse, Iu. L.
Oxygen emission at λ6300 Å and geomagnetic activity, 19.7-244
See also **Shefov, N. N.,** 19.10-584

Trybowska, Elfryda
Wilgotnosc powietrza w Rabce [Humidity in Rabka] (*with* **Trybowski, C.**), 19.7-364

Trybowski, Czeslaw, *see* **Trybowska, E.,** 19.7-364

Tsaitts, E. S.
Issledovanie skorostei vdol'beregovogo techeniia na otmeliakh Dneprovskikh vodokhranilishch [Study of velocities of currents along the shore at the banks of Dnieper river reservoirs] (*with* **Panferova, M. S.** and **Khomitskii, V. V.**), 19.6-789
Nekotorye statisticheskie kharakteristiki vetrovogo volneniia Kakhovskogo vodokhranilishcha [Some statistical characteristics of wind waves in the Kakhovka reservoir] (*with* **Panferova, M. S.**), 19.7-350

Tsap, T. T.
Fotosfernye magnitnye polia i struktura nevozmushchennoi khromosfery [Photospheric magnetic fields and the structure of the undisturbed chromosphere], 19.7-695

Tsarenko, E. I., *see* **Mokliak, V. I.,** 19.9-525

Tsar'kova, A. M., *see* **Popova, T. P.,** 19.5-120

Tsedilina, E. E., *see* **Gurevich, A. V.,** 19.2-355; 19.8-505

Tsitovich, T. A.
Razvitie oblachnykh sistem [Development of cloud systems], 19.5-295

Tsitsenko, G. V.
Radiatsionnyi balans poverkhnosti tela cheloveka v razlichnykh klimaticheskikh usloviiakh na territorii SSSR [Radiation balance of the surface of a man's body in different climatic

conditions in the U.S.S.R.], 19.9-356
Radiatsionnyi balans vertikal'nykh poverkhnostei zdaniia [Radiation balance of vertical surfaces of buildings], 19.10-287
See also **Krichagin, V. I.,** 19.9-365
Tsomaia, V. Sh.
Izmenchivost' abliatsii l'da na lednikakh Kavkaza [Variability of ice ablation on glaciers of the Caucasus], 19.2-587
Skorost' dvizheniia lednikov Kavkaza i vozmozhnost'ee opredeleniia po predshestvuiushchim meteorologicheskim faktoram [Rate of movement of glaciers in the Caucasus and possibilities of its determination according to antecedent meteorological factors], 19.11-778
Tsuchiya, Atsushi
Spectrum of slowly varying component of solar radio emission on millimeter wavelengths (*with* **Takahashi, K.**), 19.9-668
Tsuchiya, Iwao
Dynamic climatological studies on the meandering of westerlies and the Japanese climate, 19.9-547
Tsuchiya, Kiyoshi
Cloud distribution and formation associated with the polar front, wave cyclones and jet streams as revealed by ESSA APT pictures over the western Pacific (*with* **Hoshina, M.**), 19.8-425
See also **Fujita, T.,** 19.10-311
Tsuchiya, Mizuki
Distribution of salinity, oxygen content, and thickness at 160 cl/t of thermosteric anomaly in the intertropical Pacific Ocean, 19.9-775
Tsuchiya, Yoshito, *see* **Iwagaki, Y.,** 19.10-764
Tsuda, Takao, *see* **Sato, T.,** 19.10-553
Tsukada, Matsuo
Vegetation and climate around 10,000 B.P. in central Japan, 19.1-321
Vegetation in subtropical Formosa during the Pleistocene glaciations and the Holocene, 19.7-455
Tsurikov, V. L.
Izmenenie solenosti morskogo l'da vsledstvie migratsii iacheek s rassolom [Changes of sea-ice salinity due to the migration of brine pockets] [and Eng. transl.], 19.5-711
See also **Tsurikova, A. P.,** 19.8-745
Tsurikova, A. P.
Variation of salinity with the mixing of water (*with* **Tsurikov, V. L.**) [Transl. from Russ.], 19.8-745
Tsuruta, H., *see* **Nagata, T.,** 19.8-264
Tsuruta, S., *see* **Stecker, F. W.,** 19.6-526
Tsutskiridze, Ia. A.
Radiatsionnyi i termicheskii rezhimy territorii Gruzii [Radiational and thermal regime of Georgian SSR], 19.8-9
Tsutsumi, Keiichiro, *see* **Arakawa, H.,** 19.2-234
Tsvang, L. R.
O gradientakh temperatury pri kotorykh obrashchaetsia v nul' potok tepla [Temperature gradients for which the heat flux is equal to zero] (*with* **Volkov, Iu. A.**) [and Eng. transl.], 19.1-254
Tsverava, V. G.
Struinye techeniia v pogranichnom sloe atmosfery [Jet streams in the boundary layer of the atmosphere], 19.9-464
Tsvetkov, V. I.
Rezul'taty oprosa novykh ochevidtsev padeniia Tungusskogo meteorita 1908 g [Results of an inquiry of new eyewitnesses of the fall of the Tunguska meteorite in 1908] (*with* **Boiarkina, A. P.**), 19.11-665
See also **Liubarskii, K. A.,** 19.11-655
Tsvetkova, D. I.
Sravnenie raschetnykh i izmerennykh vysot vetrovykh voln na Gor'kovskom vodokhranilishche [Comparison of calculated and measured heights of wind waves on Gorki Reservoir] (*with* **Iaroslavtsev, N. A.**), 19.4-301
Vetro-volnovoi rezhim Gor'kovskogo vodokhranilishcha [Wind wave regime of the Gorki Reservoir], 19.5-262
See also **Shtein, E. I.,** 19.5-240
Tsvid, A. A.
Opyt normirovaniia vetrovykh nagruzok po naprvaleniiam [Calculation of the standards of wind stress according to wind directions] (*with* **Zhirkov, M. A.**), 19.11-413
Vliianie klimata i sochetanii otdel'nykh ego elementov na stroitel'stvo [Effect of climate and its components on the building industry], 19.12-47
Tsyganova, A. M., *see* **Berlin, I. A.,** 19.8-77
Tsytovich, V. N., *see* **Kaplan, S. A.,** 19.6-574; 19.10-661
Tu, Bo Jang, *see* **Willmarth, W. W.,** 19.10-352
Tucker, A. J.
Analysis of ionospheric contributions to the Doppler shift of CW signals from artificial Earth satellites (*with* **Fannin, B. M.**), 19.12-56
See also **Willman, J. F.,** 19.4-568
Tucker, G. B.
26-month zonal wind oscillation in the lower stratosphere of the Southern Hemisphere (*with* **Hopwood, J. M.**), 19.7-356
Tuck-Lee, C., *see* **Mossop, S. C.,** 19.7-214
Tuen, N. V., *see* **Kalugina, T. P.,** 19.9-441
Tumanov, S., *see* **Diaconescu, I. Gh.,** 19.11-285
Tunaley, J. K. E., *see* **Kaiser, T. R.,** 19.8-162
Tupaz, J. B., *see* **Martin, F. L.,** 19.12-244
Turbal, Kh. Ia.
Nabliudeniia serebristykh oblakov v Estonii letom 1963 g [Observations of noctilucent clouds in Estonia in the summer of 1963], 19.5-371
Turbin, L. I.
Merzlotnye obrazovaniia vnutrennego Tian' Shania [Cryogenic formation of inner Tien Shan] (*with* **Koniukhov, A. G.**), 19.5-738
Turcotte, D. L., *see* **Oxburgh, E. R.,** 19.12-736
Turekian, Karl K.
Alkalinity and strontium profiles in Antarctic waters (*with others*), 19.4-643
Turkevich, Anthony L.
Chemical analysis of the Moon at the surveyor VI landing site (*with* **Patterson, J. H.** and **Franzgrote, E. J.**), 19.10-678

Turmanidze, T. I.
  K metodike prognoza summarnogo vodopotrebleniia sel'skokhoziaistvennykh kul'tur i orositel'nykh norm [Methods of forecasting total water consumption of crops and irrigation quotas], 19.4-368
Turner, C., *see* **Shackleton, N. J.,** 19.7-454
Turner, H.
  Strahlungskartierung eines gegliederten Gebirgshanges auf grund von Messungen der raeumlichen Komponenten der Globalstrahlung [Radiation chart for a nonuniform mountain slope based on measurements of the local components of global radiation], 19.5-216
Turner, J. S.
  One-dimensional model of the seasonal thermocline, Pt. 1 (*with* **Kraus, E. B.**), 19.5-671
Turner, V. E., *see* **Mukammal, E. I.,** 19.1-325
Turtle, J. P., *see* **Hernandez, G. J.,** 19.2-412
Tushinskii, G. K.
  Avalanche classification, and rhythms in snow cover and glaciation of the Northern Hemisphere in historical times, 19.3-320
  Major trends in the study of avalanche danger in the U.S.S.R., 19.3-331
Tuthill, A. H.
  Guidelines for selection of marine materials (*with* **Schillmoller, –**), 19.8-699
Tuvaev, V. A., *see* **Bodner, V. A.,** 19.4-560
Tuvdendorzh, D.
  Gidrometeorologicheskaia sluzhba Mongol'skoi Narodnoi Respubliki [Hydrometeorological Service of the Mongolian Peoples' Republic], 19.3-18
Tverskaia, L. V.
  O bystrykh variatsiiakh intensivnosti energichnykh elektronov v magnitosfere Zemli [Rapid variation of intensity of energetic electrons in the Earth's magnetosphere] (*with* **Tel'tsov, M. V.** and **Shavrin, P. I.**) [and Eng. transl.], 19.5-522
Tveten, Lowell H.
  Ionospherically propagated sea scatter, 19.1-572
Twidale, C. R., *see* **Butzer, K. W.,** 19.11-481; **Hills, E. S.,** 19.11-501
Twomey, J., *see* **Warner, J.,** 19.2-274
Twomey, S.
  [Comments on] J. H. Conover: Anomalous cloud lines (*with* **Howell, H. B.** and **Wojciechowski, T. A.**), 19.9-487
  Comparison of measurements of cloud droplets and cloud nuclei (*with* **Warner, J.**), 19.1-289
  Remarks on the photographic counting of cloud nuclei, 19.5-299
  Some aspects of the optical estimation of microstructure in fog and cloud (*with* **Howell, H. B.**), 19.8-419
Tyagi, Tuhi Ram
  On the determination of 'mean field height' from the Faraday fading of satellite transmissions, 19.4-454
Tybout, Richard A.
  Recursive alternative to Weinberger's model of the solar pond, 19.2-198
Tyldesley, J. B.
  Thunderstorm in Morocco, 19.1-193
Tyler, John E.
  Secchi disc, 19.9-750
  Spectroradiometric characteristics of natural light under water (*with* **Smith, R. C.**), 19.3-637
  See also **Smith, R. C.,** 19.3-690
Tyner, R. V.
  Analysis of the forecast errors arising from operational use of the Jarvis technique at the Atlantic Weather Central, Oct. 1, 1965 to March 31, 1966, 19.7-189
Tyree, David M., *see* **Bader, H.,** 19.7-38
Tyson, P. D.
  Velocity fluctuations in the mountain wind, 19.9-447
Tzur, Y., *see* **Gat, J. R.,** 19.10-427
Tzvetcoff, G. A.
  Cordova Bay Survey: target tracking phase, 19.3-650

U

Ubell, Karoly
  Grundwasserbeobachtungsdienst, Erforschung des Grundwasserhaushaltes und Grundwasserkartierung in Ungarn [Ground water observation service, investigations into ground water balance, and ground water mapping in Hungary], 19.1-595
  Investigations into ground water balance by applying radioisotope tracers, 19.9-846
Uberoi, Mahinder S.
  Effect of density gradients on an air jet (*with* **Garby, L. C.**), 19.10-349
Uchida, E.
  Investigation of cloud condensation nuclei on physical and chemical bases, 19.2-273
Uchida, Yutaka, *see* **Takakura, T.,** 19.10-662
Uchijima, Zenbei
  Climate in growth chamber, Pt. 3, 19.6-447
  Studies of energy and gas exchange within crop canopies, Pt. 1 (*with others*), 19.8-55
Uenohara, M.
  Low-noise parametric amplifiers, 19.9-31
Uhlmann, Donald R.
  Frost heave in soils: the influence of particles on solidification (*with* **Jackson, K. A.**), 19.11-375
Ujvari, Joseph
  Mittlere monatliche Abfluesse im Donaugebiet [Mean monthly run-off in the Danube Basin], 19.1-598
Ulanova, E. S.
  Glavnye inertsionnye agrometeorologicheskie faktory dlia formirovaniia urozhaev ozimoi pshenitsy v chernozemnoi zone i dolgosrochnyi prognoz ee urozhainosti [Main conservative agrometeorological factors for the formation of winter wheat crops in the chernozem zone and long range forecasting of their yield], 19.4-167
Ulberg, L. C.
  Effects of macro- and microenvironment on the biology of mammalian reproduction, 19.7-67

Ulmschneider, Peter H.
Structure of the outer atmosphere of the Sun and of cool stars, 19.4-596
Ulrichs, Juris, *see* **Campbell, M. J.,** 19.10-675
Ulwick, James C.
Rocket measurements of auroral parameters, 19.1-398
See also **Reidy, W. P.,** 19.9-618
Uman, Martin A.
Time interval between lightning strokes and the initiation of dart leaders (*with* **Voshall, R. E.**), 19.6-467
See also **Krider, E. P.,** 19.10-503
Umeda, S.
Frost damage in the modern age in the Tohoku District, 19.7-324
Underhill, Anne B.
Ultraviolet spectra of stars (*with* **Morton, D. C.**), 19.5-607
Undersea Technology, [Wash., D. C.]
NOL studies under-ice acoustics, 19.5-632
Underwood, J. H.
Solar X-rays, 19.11-671
Underwood, Richard W.
Space photography, 19.6-556
Unger, E., *see* **Foitzik, L.,** 19.12-451
Ungethuem, Eugen
Eine neue Radiosonde zur Messung des luftelektrischen Feldes in der Freien Atmosphaere [A new radiosonde for measuring the atmospheric electricity fields in the free atmosphere], 19.1-108
Ungstrup, Eigil
Very low frequency emission associated with aurora and particle precipitation, 19.2-478
See also **Iversen, I. B.,** 19.10-639
United Nations. Committee for Coordination of Investigations of the Lower Mekong Basin
Lower Mekong Hydrologic Yearbook, 1965, 19.10-23
U. S. Air Force. Cambridge Research Labs., Bedford, Mass.
Bibliography of AFCRL publications from July 1, 1966 to Sept. 30, 1967, 19.11-755; . . . from Oct. 1 to Dec. 31, 1967, 19.10-43
Report on research at AFCRL, July 1965-June 1967, 19.7-39
Wind and temperature profiles from Project Windy Acres, 19.1-231
See also **AFCRL Scientific Balloon Symposium, 4th, Portsmouth, Sept. 1966,** 19.5-89
U. S. Air Force. Office of Aerospace Research
Air Force Research Resumes 1966, 19.2-39
OAR Index of research results, 1965-1966, 19.3-33
OAR progress, '66-'67, 19.4-33
U. S. Air Weather Service
AWS observing program, 19.7-27
Environmental-measuring equipment used by Air Weather Service in support of Air Force and Army operations, 19.4-103
U. S. Naval Weather Service world-wide airfield summaries, **Vol. 5**, Australia–South Pacific–Antarctica, 19.5-40; **Vol. 7**, Central America, 19.8-455
U. S. Air Weather Service. 1st Weather Wing
Taiwan low study, 19.12-128
U. S. Antarctic Research Program
Plans for the 1967-1968 season, 19.7-128
U. S. Argonne National Lab., Argonne, Ill.
Fifteen-year climatological summary, Jan. 1, 1950-Dec. 31, 1964, Argonne National Lab., DuPage County, 19.11-7
U. S. Army Ballistic Research Labs., Aberdeen Proving Ground, Md., *see* **Anthony, M.,** 19.10-387
U. S. Army Conference on Tropical Meteorology, 6th, Univ. of Miami, Coral Gables, Fla., June 1967
Proceedings, 19.9-23
U. S. Army Electronics Command, Ft. Monmouth, N. J., *see* **Phillips, N. S.,** 19.9-134; **Pruitt, W. O.,** 19.5-345
U. S. Atmospheric Turbulence and Diffusion Lab., Oak Ridge, Tenn.
Notes on the theoretical basis of the equations for the atmosphere's surface layer, 19.9-25
U. S. Atomic Energy Commission
Annual Report to Congress 1967, 19.11-55
Fallout Program Quarterly Summary Report, Sept. 1-Dec. 1, 1967, 19.7-258
U. S. Coast and Geodetic Survey
Tide tables high and low water predictions, 1968: East Coast North and South America including Greenland, 19.7-757
U. S. Cold Regions Research and Engineering Lab., Hanover, N. H.
Bibliography on Snow Ice and Frozen Ground with abstracts, Vol. 22, 19.11-76
U. S. Committee on Extension to the Standard Atmosphere
U. S. Standard Atmosphere Supplements, 1966, 19.2-9
U. S. Defense Atomic Support Agency, *see* **Young, R. A.,** 19.1-402
U. S. Environmental Data Service
Catalog of meteorological satellite data: ESSA 3 television cloud photography, Pt. 2, Jan. 1-Mar. 31, 1967, 19.3-83
Climatological data for Antarctic Stations, No. 9, Jan./Dec. 1966, 19.11-134
Daily Series Synoptic Weather Maps, Pt. 1, 19.3-98
World Weather Records, 1951-1960, Vol. 5, Africa, 19.7-125
U. S. Environmental Science Services Administration
ESSA science and engineering, July 13, 1965 to June 30, 1967, 19.10-33
Greatest storm on Earth: hurricane, 19.6-271
Hydrologic cycle, 19.6-40
New knowledge from the global sea, 19.7-714
Science and service: a career in the ESSA commissioned officer corps, 19.9-71
Tornado, 19.7-291
USC and GSS Discoverer, OSS 02, 19.10-715
Weather activities of the United States Government, 19.8-42
U. S. Federal Aviation Administration Academy
Airborne weather radar, 19.10-150

- Flight weather: special hazards and characteristics, 19.12-24

U. S. Geological Survey
- Geological Survey research, 1966, Chapter A, 19.3-5; 1967, Chapter A, 19.11-56; Chapter D, 19.11-44
- *See also* **Woods Hole, Mass. Oceanographic Institution,** 19.10-709

U. S. Geological Survey. Office of Water Data Coordination
- Catalog of information on water data: surface water stations reported by Federal Agencies, 19.7-780

U. S. Goddard Institute for Space Studies, N. Y.
- Goddard Institute for Space Studies, 19.11-66

U. S. Institute for Telecommunication Sciences, Boulder, Colo. Tropospheric Telecommunications Lab.
- Annual Report Fiscal Year 1967, 19.9-48

U. S. Institute for Telecommunication Sciences and Aeronomy
- Backscatter studies and 3D ray tracing: Quarterly Report April-June 1967, 19.6-507
- Resources and management information, 19.11-255

U. S. Interagency Committee on Oceanography
- Aquatic sciences in the Great Lakes area, Vol. 2, 19.3-693
- Oceanographic ship operating schedules, 19.4-615

U. S. Interagency Committee on Water Resources
- Inventory of Federal sources of ground-water data, 19.6-807

U. S. Interdepartmental Committee for Atmospheric Sciences
- National Atmospheric Sciences Program: fiscal year 1968, 19.4-58; FY 1969, 19.12-35

U. S. Interdepartmental Hurricane Warning Conference, 22nd, Miami, Fla., Jan. 1968
- Report of the 1968 . . . Conference [combining] Atlantic and Pacific, 19.8-178

U. S. Joint Publications Research Service
- East European Scientific Abstracts: Earth Sciences, 19.10-46
- Soviet-Block Research in Geophysics, Astronomy, and Space, 19.5-30

U. S. Lake Survey
- Directory and project forecasts [for] the Great Lakes, 19.9-214

U. S. Library of Congress. Science and Technology Div.
- Air Force Scientific Research Bibliography, Vol. 5, 1961, 19.7-46

U. S. National Aeronautics and Space Administration
- Astronautics and aeronautics, 1966: chronology on science, technology, and policy, 19.4-14
- Communications satellites: a continuing bibliograpy with indexes, 19.12-40
- Earth photographs from Gemini III, IV, and V, 19.1-9
- Meteorological Rocket Facility handbook, 19.11-48
- 1967 Summer Study of Lunar Science and Exploration, Univ. of California, Santa Cruz, Calif., July 31-Aug. 13, 1967, 19.4-573
- Opportunities for participation in space flight investigations, 19.2-27
- Potential applications of satellite geodetic techniques to geosciences, 19.11-609

U. S. National Bureau of Standards
- NBS studies atmospheric gases: analytical techniques developed, 19.10-188

U. S. National Environmental Satellite Center
- Tiros cloud free atlas [3 vols.], 19.1-23

U. S. National Meteorological Center
- Weekly synoptic analyses, 5-, 2-, and 0.4- mb surfaces for 1964, 19.6-168

U. S. National Oceanographic Data Center
- Selected IIOE track charts, automatically produced, based on data of the International Indian Ocean Expedition, 19.2-530
- *See also* **International Geophysical Year, 1957/1958. IGY World Data Center A [for] Oceanography,** 19.2-531

U. S. National Space Science Data Center, Greenbelt, Md.
- Data catalog of satellite and rocket experiments, 19.11-608

U. S. Naval Oceanographic Office
- Birds Eye 9-65, Oct. 12-18, 1965, 19.6-696; . . . 5-66, July 12-22, 1966, 19.5-705; . . . 2-67, March 15-April 19, 1967; . . . 3-67, June 30-July 10, 1967; [and] . . . 4-67, Aug. 10-22, 1967, 19.8-748
- Eastern Arctic ice seasonal outlook, 19.12-750
- Evaluation of spectral wave hindcasts using the automated wave prediction program of the Naval Oceanographic Office, 19.6-687
- Historical environmental data, Gulf of Mexico, Area 18, 19.3-610
- Long-range ice outlook, Eastern Arctic, 1967, 19.6-706
- Major currents in the North and South Atlantic Oceans between 64°N and 60°S, 19.6-679
- Monthly charts of mean, minimum, and maximum sea surface temperature of the Indian Ocean, 19.3-611
- Oceanographic survey results off Point Arguello, California, Jan. and Nov.-Dec. 1964, 19.8-730
- Sailing directions for Japan, Vol. 1, Northern Part, 19.10-63
- Sailing directions for Nova Scotia: The Bay of Fundy and Cape Breton Island, 19.10-64
- Sailing directions for South America, Vol. 1 (East coast from Venezuelan border to and including Rio de la Plata), 19.10-65
- Sailing directions for the western shores of South China Sea, Singapore Strait to Hong Kong, 19.10-66
- Surveying with BRN-3 satellite navigation and bottom transponders, 19.6-138

U. S. Naval Postgraduate School, Monterey, Calif., Dept. of Met. and Oceanog., *see* **Danard, M. B.,** 19.8-168

U. S. Naval Undersea Warfare Center, San Diego, Calif.
- Oceanographic activities of the Naval Undersea

Warfare Center, San Diego, Calif., Sept. 1966-Sept. 1967, 19.9-726

U. S. Navy Electronics Lab., San Diego, Calif.

Oceanographic activities of the U. S. Navy Electronics Laboratory, Sept. 1965-Sept. 1966, 19.3-10

U. S. Navy Symposium on Military Oceanography, 4th, 1967

Proceedings of the Symposium, Vol. 1, 19.9-110

U. S. Office of Atmospheric Water Resources

Plan to develop technology for increasing water yield from atmospheric sources: an atmospheric water resources program, 19.8-197

U. S. Office of Federal Coordinator for Meteorological Services and Supporting Research

Federal plan for meteorological services and supporting research, Fiscal Year 1960, 19.9-63

Federal plan for weather radars and remote displays, 1967-1971, 19.4-81

Federal survey of meteorological service deficiencies requiring supporting research, 19.12-31

U. S. Office of Naval Research

Research in the service of national purpose, 19.5-32

U. S. Office of the Oceanographer of the Navy

Ocean engineering program of the U. S. Navy: accomplishments and prospects, Sept. 1967, 19.8-696

Ocean science program of the U. S. Navy: accomplishments and prospects, 19.6-641

Oceanographic operations program of the U. S. Navy: accomplishments and prospects, 19.8-43

U. S. President, 1963- (Johnson)

Marine science affairs: a year of plans and progress, 19.9-15

Marine science affairs: a year of transition, 19.4-601

Report to the Congress from the President [on U. S. aeronautics and space activities], 19.9-68

U. S. Soil Conservation Service, [Wash., D. C.]

Water Supply Outlook for Utah and Federal-State-Private Cooperative Snow Survey, as of Feb. 1, 1968, 19.11-793

U. S. Task Team on Subsynoptic-Scale Meteorological Problems

Mesometeorological research & development prospectus, 19.1-324

U. S. Water Resources Council. Hydrology Committee

Uniform technique for determining flood flow frequencies, 19.12-816

U. S. Water Resources Scientific Information Center

Selected Water Resources Abstracts, Vol. 1, No. 1, 19.11-58

U. S. Weather Bureau

Change in representation of the mean relative humidity charts (WB Forecast Center Facsimile No. 3 834/934 and 884/984), 19.6-33

Eastern Region Radar Progress Report No. 3, 19.7-115

External and internal heat sources and sinks in the 6-layer (primitive equation) numerical prediction model, 19.6-33

Findings, conclusions and recommendations of the design of the data acquisition subsystem study, 19.11-5

Implementation test of a numerical subsynoptic precipitation prediction model, 19.6-33

Initial moisture analysis in the 6-layer (PE) numerical prediction model, 19.6-33

Manual for upper wind code (WBAN), 19.9-213

Marine climatic guide, 19.9-38

New tropical cyclone tracking program, 19.6-33

Project Stormfury Annual Report, 1966, 19.4-169

Radiosonde observations, 19.11-114

Saturation criterion for precipitation forecasts in 6-layer (PE) numerical prediction model, 19.6-33

Sea-level pressure forecasts from 6-layer (PE) numerical prediction model, 19.6-33

Technical Bulletin, No. 1-7, July-Sept. 13, 1967, 19.6-33

Tornado preparedness planning, 19.11-331

Zero-3/10 cloud cover information for selected sites around the world, 19.6-293

Universities Council on Water Resources

Education in hydrology: United States universities, early 1966, 19.5-29

Untersteiner, Norbert

Polar meteorology, 19.4-56

Unthank, E. L.

Review of the use of electromagnetic waves as atmospheric probes, 19.7-116

Unti, Theodore W. J.

Alfven waves in the solar wind (*with* **Neugebauer, M.**), 19.9-642

Untiedt, J.

Model of the equatorial electrojet involving meridional currents, 19.4-455

Unukova, A. A.

Raspredelenie vetra, davleniia i temperatury v troposfere i stratosfere nad severnoi chast'iu Tikhogo okeana v period 1961-1963 gg [Distribution of wind, pressure and temperature in the troposphere and stratosphere over the northern part of the Pacific Ocean in the period 1961-1963], 19.8-99

Unwin, R. S.

Morphology of the v.h.f. radio aurora at sunspot maximum, Pt. 3, 19.4-466; Pt. 4, 19.6-514

On the origin of the diffuse radio aurora, 19.10-578

Unz, H., *see* **Rao, S. S.,** 19.5-521

Uppal, H. L.

Rating of current meters in wind tunnel (*with* **Singh, T.**), 19.5-633

Storm analysis and floods (*with* **Sehgal, S. R.**), 19.6-775

Uralov, N. S.

Sezonnye izmeneniia ledovykh uslovii u iuzhnykh bergov Grenlandii [Seasonal variation of ice conditions along the southern shores of Greenland], 19.6-698

Uranova, L. A.

Izmeneniia polia temperatury i geopotentsiala pri stratosfernykh potepleniiakh v ianvare 1962 i 1963 gg [Variation of the temperature and

geopotential field during stratospheric warmings in Jan. 1962 and 1963], 19.8-357
See also **Bugaev, V. A.,** 19.4-195; 19.7-219
Urbanovich, V. D.
Sopostavlenie koeffitsientov garmonicheskogo analiza sutochnykh variatsii K-indeksov i ekvivalentnykh amplitud [Comparison of the coefficients of harmonic analysis of diurnal variations of K indices and equivalent amplitudes], 19.3-494
See also **Mishin, V. M.,** 19.5-488
Urbas, Barbara (Cyberska)
Radioaktywnosc wody rzeki Warty [Radioactivity of water in the Warta river], 19.7-800
Urey, H. C.
Water on the Moon, 19.7-663
Urfer-Henneberger, Charlotte
Zeitliche Gesetzmaessigkeiten der Berg- und Talwindes [Time regularities of mountain and valley winds], 19.5-247
Uscinski, B. J.
Multiple scattering of waves in irregular media, 19.10-77
Ushiki, Hisao
Note on the double reflection of X-rays by single crystals of ice (*with* **Yosida, Z.**), 19.12-334
Usmanov, R. F.
Izmeneniia vysot glavnykh izobaricheskikh poverkhnostei posle vspyshek na solntse [Variations of altitudes of main isobaric surfaces after solar flares] [and Eng. transl.], 19.9-422
Usol'tsev, V. A.
Achievements in radio sounding and in the design of network radiosondes (*with* **Manuilov, K. N.**) [Transl. from Russ.], 19.8-137
Uspenskii, B. D.
Sluzhba kratkosrochnykh prognozov pogody k piatidesiatiletiiu Velikogo Oktiabria [Short range weather forecasting service at the 50th anniversary of the Great October] (*with* **Chistiakov, A. D.**), 19.5-142
Utah. State Univ., Logan. Electro-Dynamics Labs., *see* **Huppi, E. R.,** 19.7-560
Uteshev, A. S.
Meteorologicheskie i klimaticheskie kharakteristiki vetrovoi erozii pochv v Servernom Kazakhstane [Meteorological and climatic characteristics of wind soil erosion in Northern Kazakhstan] (*with* **Semenov, O. E.**), 19.10-372
Utina, Z. M., *see* **Bortkovskii, R. S.,** 19.12-733
Utrata, Anna
Proba przewidywania terminow dojrzewania pszenicy ozimej w Polsce [An attempt to forecast the time of ripening of winter wheat in Poland], 19.7-187
Uvarov, D. B., *see* **Andreeva, L. A.,** 19.4-71
Uyeda, Seiya, *see* **Takeuchi, H.,** 19.11-26; **Yasui, M.,** 19.9-741

V

Vaadia, Yoash
Physiological processes as affected by water balance (*with* **Waisel, Y.**), 19.7-376
See also **Stanhill, G.,** 19.7-857
Vaas, A. E.
Investigation of methods for acoustic location of hydrophones, Pts. 1, 2, 3, 19.4-627
Vachnadze, D. I.
O prognoze anomalii srednei mesiachnoi temperatury vozdukha po Zakavkaz'iu [Forecasting mean monthly temperature anomalies in Transcaucasia], 19.10-170
Vadot, L.
Etude de la pollution a partir d'emissions uniformement reparties: aspect qualitatif et experimental des phenomenes (*with* **Belle, P.** and **Barbelon, J.**), 19.6-219
Vaeisaelae, Vilho
Effects of radiation upon measurements of stratospheric temperature, 19.10-147
Past development of weather forecasting and future international projects, 19.6-161
Radiation effects influencing temperature measurements by means of radiosondes in the stratosphere, 19.2-103
Vaeth, J. Gordon
Satellite-interrogated meteorological buoy, 19.4-97
Vaisala News, [Helsinki]
Height calculator PBAS 11, 19.6-240
News from Galapagos, 19.11-123
Wind-transmitter WR 11, 19.6-149
Vaisman, Genii Mikhailovich
Avtomatika i telemekhanika v meteorologii [Automation and telemechanics in meteorology], 19.7-1
Vakhnin, V. M., *see* **Lebedinskii, A. I.,** 19.3-557
Valencia, Mark J.
Recycling of pollen from an air-water interface, 19.4-683
Valentas, K. J.
Influence of droplet size-age distribution on rate processes in dispersed-phase systems (*with* **Amundson, N. R.**), 19.6-377
Valenti, Carlo, *see* **Giorgi, M.,** 19.11-547
Valery, Nicholas
Policy for ocean industry, 19.8-698
Vali, Gabor
Estimates of initial cloud glaciation from nucleation experiments, 19.11-442
Valin, A. P., *see* **Dubrovin, L. I.,** 19.2-296
Valko, P.
Ueber den Zusammenhang zwischen Truebungsfaktor und Truebungskoeffizient [Relationship between the turbidity factor and turbidity coefficient], 19.6-459
Vallentine, H. R.
Applied hydrodynamics, 19.5-2
Valnicek, B.
X-emission of expanding flares, 19.3-419
See also **Letfus, V.,** 19.2-484
Valovic, Simon
Pravdepodobnost extremnych teplot na Podunajskej nizine a v Liptovskej kotline [Probability of extreme temperatures in the Danube Valley and the Liptov Basin], 19.5-230
Valueva, G. E., *see* **Pudovkin, I. M.,** 19.5-483

Valus, Gustav
Premrzanie pody na Slovensku [Soil freezing in Slovakia], 19.10-314

Vampola, A. L.
Recent measurements of inner zone electron lifetimes, 19.9-638

Van Allen, James A.
Observed absence of energetic electrons and protons near Venus (*with others*), 19.6-602
Solar X-ray flares on May 23, 1967, 19.12-645
Solar X-ray flare of July 7, 1966, 19.6-618
Venus: an upper limit on intrinsic magnetic dipole moment based on absence of a radiation belt (*with others*), 19.5-569
See also **Krimigis, S. M.,** 19.5-510; **Nathan, K. V. S. K.,** 19.4-491

Van Andel, Tjeerd H.
Late Quaternary history, climate, and oceanography of the Timor Sea, Northwestern Australia (*with others*), 19.2-311

Van Atta, C. W., *see* **Coles, D.,** 19.10-323

Van Bavel, C. H. M., *see* **Penman, H. L.,** 19.7-374

Van de Boogaard, Henry, *see* **Lanterman, W. S., Jr.,** 19.9-122

Van de Hulst, H. C.
Multiple scattering in plane-parallel layers, 19.6-457

Van de Kreeke, Jacobus
Water-level fluctuations and flow in tidal inlets, 19.2-574

Van de Leur, D. A. Kraijenhoff, *see* **Kraijenhoff Van de Leur, D. A.**

Van der Ham, C. J.
Stralingsmetingen vanuit weersatellieten, I [Radiation measurements from weather satellites, Pt. 1], 19.9-357

Van der Hoven, Isaac
Atmospheric transport and diffusion at coastal sites, 19.6-330

Vanderman, Lloyd W.
Operational-experimental numerical forecasting for the tropics (*with* **Collins, W. G.**), 19.5-146

Van Diggelen, J.
Leoniden zijn nog steeds actief [Leonids are still active], 19.7-678

Vangelov, A.
Preobladaiushchie tipy vodnogo rezhima pochv Iuzhnoi Bolgarii [Predominant types of soil water regime in Southern Bulgaria] [and Eng. transl.], 19.6-801

Van Genderen, A. M.
Aardse en astronomische oorzaken van klimaatveranderingen [Terrestrial and astronomical causes of climatic changes], 19.4-4

Vangengeim, G. Ia.
Hydrometeorology of the polar regions (*with* **Laktionov, A. F.**) (*eds.*) [Transl. from Russ.], 19.9-20
Significance of the rate of air movement in the diagnosis and forecast of features of atmospheric circulation and of the weather [Transl. from Russ.], 19.9-326

Van Gils, J. N.
Absolute intensities in the solar X-ray spectrum near minimum activity (*with* **De Graaff, W.**), 19.5-604

Van Husen, Gertrud
Untersuchungen von Inversionen in einem alpinen Laengstal mittels Segelfluegen [Inversion studies in a Alpine longitudinal valley by means of gliding], 19.5-232

Van'ian, L. L.
Al'venovskaia skorost' v magnitosfere v svete novykh dannykh o kontsentratsii kholodnoi plazmy [Alfven velocity in the magnetosphere in the light of new data on the concentration of a cold plasma] (*with* **Al'perovich, L. S.**) [and Eng. transl.], 19.1-442
O trekhmernykh gidromagnitnykh vozmushcheniiakh v kholodnoi plasme [Three dimensional hydromagnetic disturbances in a cold plasma] (*with* **Dmitriev, V. I.**) [and Eng. transl.], 19.5-523
O trekhmernykh magnitozvukovykh vozmushcheniiakh v kholodnoi plazme [Three dimensional magnetosound disturbances in a cold plasma] (*with* **Dmitriev, V. I.**) [and Eng. transl.], 19.5-524
Ob otrazhenii ploskikh magnitozvukovykh voln ot granitsy magnitosfery v sviazi s magnitozvukovymi rezonansami [Reflection of plane magneto-acoustic waves from the boundary of the magnetosphere in connection with magneto-acoustic resonance] (*with* **Iudovich, V. A.**) [and Eng. transl.], 19.9-641

Van Landingham, John W.
Critique and manual for a new technique in inductive salinometry, 19.9-751

van Loon, Harry
Climatological study of the atmospheric circulation in the Southern Hemisphere during the IGY, Pt. 1, July 31, 1957-March 1958, 19.2-166
Note on Southern Hemisphere analysis incorporating satellite information (*with* **Thompson, A. H.**), 19.9-660
Summary of paper on the half-yearly oscillation of the sea-level pressure in middle and high southern latitudes, 19.12-266

Vanmassenhove, F. R.
Exact analytical solution and numerical treatment of transport problems in the case of an arbitrary anisotropic scattering law (*with* **Grosjean, C. C.**), 19.6-458

Van Mieghem, J.
Dynamique et l'energetique de la circulation a grande echelle, 19.8-294
See also **International Geophysical Year, 1957/1958,** 19.5-16

Van Montfort, M. A. J.
Statistische beschouwingen over neerslag en afvoer [Statistical examination of precipitation and runoff], 19.11-110

Vanney, Jean Rene
Die Starkregen in Wuestengebieten: ein Beispiel aus der Sahara [Heavy rains in desert areas: an example from the Sahara], 19.3-296

Vanni, M.
Marche de la limite inferieure du manteau neigeux temporaire dnas la vallee de St. Barthelemy au cours des hivers 1964-65 et 1965-66, 19.2-298
Pour une classification geographique des avalanches, 19.4-359
Van Niekerk, M. M., *see* **Visser, G. A.,** 19.6-677
Van Rooy, M. P.
Regional analysis of South African rainfall for the twelve-month calendar period ending June 30, 19.9-505
Van Schuyler, Peter, *see* **Gold, B. A.,** 19.5-646
Van Sickle, Donald R.
Interior drainage for hurricane protection projects, 19.8-304
Van Sluiters, A., *see* **Houtgast, J.,** 19.3-447
Van Steenburgh, W. E., *see* **Bader, H.,** 19.7-38
Van Wagner, C. E.
Seasonal variation in moisture content of eastern Canadian tree foliage and the possible effect on crown fires, 19.10-59
Van Wijk, M. C.
Photogrammetry applied to avalanche studies, 19.5-329
Van Wyckhouse, Roger J.
Summary of suspended sediment data in the Mekong Delta: preliminary investigation, 19.12-797
Van Zandt, T. E.
Neutral atmosphere and the quiet ionosphere, 19.10-558
Vapniar, D. U.
Nekotorye rezul'taty rascheta gradientnykh techneii dlia zapadnoi chasti ekvatorial'noi Atlantiki [Some results of computing the gradient currents in the western part of the Equatorial Atlantic] [and Eng. transl.], 19.6-682
Varga, Anna (Morvay)
Harom kulonbozo talajfajtanak nedvessegjarasa [Moisture variations in three different types of soil], 19.4-774
Varga-Haszonits, Zoltan
Bankuti 1201 buzafajta vetes-keles szakaszanak homersekleti viszonyai [Temperature conditions of the phenological period from seeding to shooting for the wheat "Bankut 1201"], 19.12-45
Varkonyi, Tibor, *see* **Kelenffy, S.,** 19.8-230
Varney, R. N.
[Discussion of] P. Warneck: Laboratory rate coefficients for positive ion-neutral reactions in the ionosphere, 19.3-400
Varshneya, N. C., *see* **Kamra, A. K.,** 19.4-393
Vasil'chenko, I. V.
Study of the atmospheric boundary layer from ships (*with others*) [Transl. from Russ.], 19.8-101
Vasil'chenko, N. V.
O submillimetrovoi i infrakrasnoi prozrachnosti atmosfery na poliuse kholoda [Submillimeter and infrared transmittance of the atmosphere at the cold pole] (*with others*) [and Eng. transl.], 19.1-213
Vasil'ev, A. A.
Neobychnyi sluchai shtormovoi boltanki v nizhnem sloe troposfery [Unusual case of storm bumpiness in the lower troposphere] (*with* **Peskov, B. E.** and **Chuchkalova, N. N.**), 19.11-82
Vasil'ev, G. V.
Malogabaritnaia ionosfernaia stantsiia (MIS) na fiksirovannykh chastotakh [Small ionospheric station (SIS) at fixed frequencies] [and Eng. transl.], 19.2-385
Vasil'ev, K. N.
Geomagnitnyi effekt v vertikal'nykh peremeshcheniiakh ionizatsii v oblasti F ionosfery [Geomagnetic effect in vertical shifts of ionization in the F-region of the ionosphere] [and Eng. transl.], 19.1-390
Razmery verikal'no peremeshchaiushchikhsia ionizirovannykh obrazovanii [Dimensions of vertically moving ionized configurations] [and Eng. transl.], 19.7-538
Vasil'ev, P. P.
K voprosu o formirovanii tsentrov deistviia i zonal'noi tsirkuliatsii atmosfery [Formation of action centers and zonal atmospheric circulation], 19.12-202
Vasil'ev, V. A.
O poiskakh kosmicheskoi i meteornoi pyli v zemnoi atmosfere [Search for cosmic and meteoric dust in the Earth's atmosphere], 19.11-666
Vasil'eva, G. V.
Hydrometeorological conditions causing ice accretion on ships [Transl. from Russ.], 19.8-421
See also **Pchelko, I. G.,** 19.6-58
Vasileva, Svetla
Forecasting CCIR values of atmospheric radio noise and their correction in southeast Europe, 19.3-374
Metod za opredeliane posokata na pristigane na atmosfernite radiosmuchteniia prez utrinnite chasove [Method for determining the direction of arrival of sferics in the morning hours], 19.1-362
See also **Jiricek, F.,** 19.1-360
Vasishcheva, M. A., *see* **Barashkova, E. P.,** 19.1-100
Vasseur, Guy
Etude par diffusion de Thomson de la production et de la recombinaison dans la region-*F* de l'ionosphere diurne (*with* **Waldteufel, P.**), 19.12-511
See also **Bousquet, C.,** 19.5-397
Vassy, Arlette
Recents progres dans l'etude des interactions entre les differentes regions de l'atmosphere, 19.9-267
Role de l'ozone dans la meteorologie de la stratosphere et de la mesosphere, 19.8-267
Vassy, Etienne J.
Ionospheric researches using satellites, 19.6-508
Vasudeva, B. R.
Boundary-layer instability experiment with localized disturbance, 19.8-379

Vasyliunas, Vytenis M.
Survey of low-energy electrons in the evening sector of the magnetosphere with OGO 1 and OGO 3, 19.8-270
See also **Binsack, J. H.,** 19.6-545

Vaughan, Harry C., *see* **Shaw, R. H.,** 19.11-430

Vaughan, Otha H., Jr.
Proposed hypothetical exploration mission in the Flamsteed crater region of the Moon, 19.10-679

Vavilov, Iu. N.
Apparatus for measuring the intensity of cosmic rays at great depths (*with others*) [Transl. from Russ.], 19.4-500

Veal, Donald L., *see* **Auer, A. H., Jr.,** 19.11-228

Vederman, Joseph
Clouds over the equatorial and tropical Pacific: an investigation based on TIROS satellite and jet aircraft observations (*with* **Nagatani, R.**), 19.3-280

Veigas, Keith W.
Diagnosis of upper-air humidity from surface observations, 19.12-314
See also **Ball, J. T.,** 19.12-316

Velinov, P.
Nekotorye analogii mezhdu korpuskuliarnym i volnovym izlucheniem pri ikh vozdeistvii na ionosferu [Some analogies between corpuscular and wave radiation during their influence on the ionosphere] [and Eng. transl.], 19.5-428
On electron production rate in ionosphere of polar cap due to solar cosmic rays, 19.11-544
Variatsii skorosti obrazovaniia elektronov v nizhnei chasti D-oblasti ionosfery [Variations of the rate of formation of electrons in the lower part of the D-region of the ionosphere] [and Eng. transl.], 19.7-539
See also **Nestorov, G.,** 19.3-433

Velusamy, T., *see* **Kundu, M. R.,** 19.8-689

Vemuri, Venkateswararao
Analysis of nonlinearities in ground water hydrology: a hybrid computer approach (*with* **Dracup, J. A.**), 19.3-708

Venezuela. Universidad de Oriente, Cumana. Instituto Oceanografico
Boletin Bibliografico, No. 4, Jan. 1967, 19.2-46

Venkataraman, S.
Radiation climate over India (*with* **Krishnamurthy, V.**), 19.4-246

Venkatavaradan, V. S., *see* **Lal, D.,** 19.7-574

Venkatesan, D.
Microburst phenomena, Pt. 1 (*with others*), 19.7-555
See also **Oliven, M. N.,** 19.8-545

Venkateswaran, S. V., *see* **Greenfield, S. M.,** 19.12-481; **Rush, C. M.,** 19.7-532

Venkateswarlu, V.
Unusual hailstorm in Dharwar District on Jan. 30, 1966, 19.4-362

Venkiteshwaran, S. P.
Estimate of thermal comfort at some stations in India (*with* **Swaminathan, M. S.**), 19.4-258

Verband Deutscher Meteorologischer Gesellschaft, Munich, April 1966
Die Meteorologen-Tagung [Meteorological conference], 19.9-21

Verband Deutscher Meteorologischer Gesellschaften
Program of the VDMG-DGG-AMS-RMS Joint meeting on the occasion of the 100th anniversary of the foundation of the Norddeutsche Seewarte, April 1-5, 1968, Hamburg, Germany, 19.9-22

Verber, James L.
Inertial currents in the Great Lakes, 19.3-689

Verduin, Jacob
Eutrophication and agriculture in the United States, 19.7-792

Vereshchagin, Iu. P.
Character of geomagnetic field disturbance in the Novolazarevskaya Station area in 1964 [Transl. from Russ.], 19.3-459

Verma, B. P., *see* **Parker, B. F.,** 19.10-133

Verma, R. K.
Terrestrial heat flow in Mosabani mine, Singhbhum District, Bihar, India (*with* **Rao, R. U. M.** and **Gupta, M. L.**), 19.10-603

Vermillion, Charles H.
Constructing inexpensive automatic picture-transmission ground stations, 19.9-661

Vernekar, Anandu D.
On mean meridional circulations in the atmosphere, 19.3-181
See also **Wiin-Nielsen, A.,** 19.3-183

Verniani, Franco, *see* **Jacchia, L. G.,** 19.11-25

Vernov, S. N.
Granitsa vneshnego radiatsionnogo poiasa i zona neustoichivoi radiatsii [Boundary of the outer radiation belt and the zone of unstable radiation] (*with others*) [and Eng. transl.], 19.1-445
Izmereniia pri polete stantsii Venera-2, Venera-3 i Zond-3 protonov solnechnogo proiskhozhdeniia s energiei 1–5 Mev [Venus-2, Venus-3, and Zond-3 measurements of 1–5 Mev protons of solar origin] (*with others*) [and Eng. transl.], 19.3-535
Primary cosmic radiation in the ultra-high-energy range and extensive air showers (*with others*) [Transl. from Russ.], 19.1-15
Radiation belts in the region of the South-Atlantic magnetic anomaly (*with others*), 19.8-594
Variatsii kosmicheskikh luchei po dannym stantsii Zond-3 i Venera-2 [Variations of cosmic rays based on data from Zond-3 and Venera-2 stations] (*with others*) [and Eng. transl.], 19.3-440

Veroe, Jozsef
Sur la possibilite d'une correlation entre des pulsations magnetiques du type pc avec des variations de plus longues periodes, 19.11-572

Veron, P.
Sur l'identification d'une raie d'emission dans les quasars Aλ2974 Å, 19.6-564

Veronis, George
- Analogous behavior of homogeneous, rotating fluids and stratified, non-rotating fluids, 19.5-662
- Analogous behavior or rotating and stratified fluids, 19.7-260
- *See also* **Malkus, W. V. R.,** 19.12-172

Verploegh, G.
- Navigation meteorologique des navires, 19.10-67
- Weather routing of ships, 19.8-92

Vershinin, A. P.
- Primenenie metoda teplovogo balansa dlia opredeleniia summarnogo ispareniia na primere oroshaemykh zemel' Rostovskoi oblasti [Use of the heat balance method for determining evapotranspiration with irrigated fields in Rostov Province as an example], 19.9-482

Vershinin, E. F.
- Observations of the ultralow-frequency (ULF) radiation of polar aurorae (*with* **Ponomarev, E. A.**) [Transl. from Russ.], 19.1-15

Veselov, E. P.
- Metodika rascheta skorosti vetra na Belom more i ego poberezh'e [Method of calculating wind velocity on the White Sea and its coast], 19.3-47

Veselova, G. K., *see* **Orlova, E. M.,** 19.3-106

Veselova, M. F.
- Klimaticheskie osobennosti Ladozhskogo ozera [Climatic anomalies of Lake Ladoga] (*with* **Kirillova, V. A.**), 19.8-456

Veselovskii, I. S.
- Rasprostranenie zvuka v chastichno ionizovannoi plazme [Sounding propagation in a partially ionized plasma] [and Eng. transl.], 19.5-525

Vestine, E. H.
- Main geomagnetic field, 19.10-613
- *See also* **Kahle, A. B.,** 19.2-444

Vetlov, I. P., *see* **Burtsev, A. I.,** 19.7-167

Veverka, Joseph, *see* **Sagan, C.,** 19.1-489

Vezina, Paul E.
- Silvicultural Research Program: with particular reference to micrometeorology, in Quebec, 19.3-358

Vezzetti, David J.
- Refractive index, attenuation, dielectric constant, and permeability for waves in a polarizable medium (*with* **Keller, J. B.**), 19.7-86

Vialov, S. S.
- On theory of the flow of glaciers, 19.11-780
- Simplified method of testing ice for creep and relaxation (*with* **Ermakov, V. F.**), 19.11-770

Vibe, Christian
- Arctic animals in relation to climatic fluctuations, 19.7-71

Vicentini, V., *see* **Vittori Antisari, O.,** 19.2-94

Vickers, D. O.
- Very heavy and intense rainfalls in Jamaica, 19.12-369

Vickery, R. P., *see* **Townsend, D. E.,** 19.6-713

Vickery, Robert K., Jr.
- Ranges of temperature tolerance for germination of *Mimulus* seeds from diverse populations, 19.1-54

Vida, Majda
- Nekatere znacilnosti vremena v Sloveniji v ciklonih na poti V. b. [Some characteristics of the weather over Slovenia in cyclones on track No. 5b], 19.3-194
- Die Witterung in Slowenien (Suedostalpengebiet) bei Vb - Zyklonenzug [Weather in Slovenia (southeastern Alpine region) during Vb cyclone passages], 19.5-202

Videberg, J.
- Satellite-to-satellite HF ionospheric propagation environment study (*with* **Wong, M. S.** and **Daniels, G. M.**), 19.2-386

Viebrock, H. J., *see* **Flowers, E. C.,** 19.12-226

Viessman, Warren, Jr.
- Runoff estimation for very small drainage areas, 19.7-839

Viezee, W.
- Objective method of analyzing tropical weather (*with* **Endlich, R. M.** and **Mancuso, R. L.**), 19.9-215
- Satellite-viewed jet stream clouds in relation to the observed wind field (*with* **Serebreny, S. M.**), 19.2-255

Vigander, S., *see* **Elder, R. A.,** 19.9-813

Vigneaux, M., *see* **Leveque, P.,** 19.10-428

Vigroux, Ernest
- Mesure directe des coefficients d'absorption moyens de l'ozone utilises avec le spectrometre Dobson, 19.4-198

Vila, Paul
- Formation de la gouttiere d'ionosation de la couche F 2 et effet thermique des photoelectrons a l'equateur magnetique, 19.11-545

Vilesov, E. N.
- Nekotorye rezul'taty marshrutnogo temperaturnogo zondirovaniia lednikov Zailiiskogo Alatau [Some results of itinerary temperature soundings of the Trans Ili Alatau glaciers], 19.6-719

Vil'iams, Vasilii Robertovich
- Basic soil science for agriculture [Transl. from Russ.], 19.11-28

Villegas, Luis
- Informe sobre las investigaciones exploratorias realizadas en la zona de Chiloe-Guaitecas, durante febrero y marzo de 1967, con el B/1 "Carlos Darwin" (*with* **Trujillo, H.** and **Loehre, E.**), 19.11-98

Villmann, Ch. I.
- Importance of noctilucent cloud observations [Transl. from Russ.], 19.2-327
- Nabliudeniia serebristykh oblakov v Talline letom 1962 g [Observations of noctilucent clouds in Tallinsk (Estonia) in the summer of 1962], 19.5-372
- O rezul'tatakh fotometricheskikh nabliudenii serebristykh oblakov [On the results of photometric observations of noctilucent clouds], 19.5-373
- Some problems of noctilucent cloud climatology, 19.9-562
- Summary of noctilucent clouds reports in U.S.S.R. in 1964, 19.8-476

See also **Vsesouiznoe Astronomo-Geodezicheskoe Obshchestvo**, 19.5-19
Vincent, A., *see* **Allain, C.**, 19.4-607
Vinje, Torgny
Some features of the turbulence over a snow field, 19.12-277
Vinnichenko, N. K.
Nekotorye rezul'taty eksperimental'nykh issledovanii turbulentnosti v troposfere [Some results of the experimental turbulence investigations in the troposphere] (*with* **Pinus, N. Z.** and **Shur, G. N.**), 19.9-431
See also **Beliaev, V. P.**, 19.9-166
Vinnik, L. P.
Struktura 4-6-sekundnykh mikroseism [The structure of 4-6-second microseisms] [and Eng. transl.], 19.6-263
Vinnikova, T. L.
Novyi sposob zadaniia matrits koeffitsientov dlia rascheta N(h)-profilei ionosfery [New method of assigning coefficient matrices in calculating N(h)-profiles of the ionosphere] [and Eng. transl.], 19.1-391
Osnovnaia matritsa dlia raschetov N(h)-profilei ionosfery [Main matrix for calculations of ionospheric N(h)-profiles] [and Eng. transl.], 19.2-387
Vinogradov, Aleksandr Pavlovich
Gamma investigation of the Moon and composition of the lunar rocks (*with others*), 19.9-676
Measurements of gamma radiation from the lunar surface at the cosmic station Luna 10 (*with others*), 19.1-482
Predvaritel'nye rezul'taty izmerenii gamma-izlucheniia lunnoi poverkhnosti na kosmicheskoi stantsii "Luna-10" [Preliminary results of measurements of gamma radiation of the lunar surface on the Luna-10 space station] (*with others*) [and Eng. transl.], 19.6-592
Vvedenie v geokhimiiu okeana [Introduction to geochemistry of the ocean], 19.6-19
Vinogradov, Iu. B.
Izuchenie selei i snezhnykh lavin [Investigation of mudflows and snow avalanches] (*with others*), 19.6-424
K voprosu o prostranstvennom raspredelenii sporadicheskogo sloia E ionosfery [On the problem of the spatial distribution of the sporadic E layer of the ionosphere], 19.10-559
O vliianii urovnia solnechnoi aktivnosti na veroiatnost' poiavleniia sporadicheskogo sloia E ionosfery [The influence of solar activity on the probability of appearance of sporadic E layer], 19.6-509
Vinogradov, Konstantin Aleksandrovich
Atlas of hydrological characteristics of the NW part of the Black Sea (*with* **Rozengurt, M. Sh.** and **Tolmazin, D. M.**) [Transl. from Russ.], 19.7-715
Vinogradov, Magda, *see* **Stoenescu, St.**, 19.12-250; **Tistea, D.**, 19.11-426
Vinogradov, N. D.
Sviaz' mezhdu formami atmosfernoi tsirkuliatsii i temperaturoi poverkhnosti vod v severnoi chasti Atlanticheskogo okeana [Relation between types of atmospheric circulation and surface water temperature in the North Atlantic], 19.2-167
Vinogradskaia, A. A., *see* **Dmitriev, A. A.**, 19.9-224
Vinokur, Marc, *see* **Daigne, G.**, 19.5-545
Violette, E. J.
Progress in the development of digital ionospheric sounding instrumentation (*with* **Wright, J. W.** and **Boyle, D. R.**), 19.6-158
Virgo, D.
Partition of strontium between coexisting K-feldspar and plagioclase in some metamorphic rocks, 19.12-165
Vishnevskii, P. F.
Study of the causes of decreasing annual streamflow in the south of the Ukraine from 1948-1962 (*with* **Rubtsov, I. G.**) [Transl. from Russ.], 19.4-766
Visser, G. A.
Ocean currents and water masses at 1,000, 1,500 and 3,000 metres in the southwest Indian Ocean (*with* **Van Niekerk, M. M.**), 19.6-677
Visvanathan, T. R.
Heavy rainfall distribution in relation to the phase of the Moon, 19.7-419
Viswanadham, Y.
Studies on night radiation at some Indian stations (*with* **Ramanadham, R.**), 19.9-624
Studies on radiation balance and surface energy balance at a tropical station, 19.7-261
Vitale, Charles S.
Bibliography on the climate of the Somali Republic, 19.2-43
Vitalis, J. A., *see* **Groenewoud, C.**, 19.7-102
Vitek, Vojtech
Bemerkungen zur dynamischen Interpretation des Okkludierens im advektiven Modell [Dynamic interpretation of occlusions in an advective model], 19.6-257
Bemerkungen zur Theorie der kurzen Frontwellen endlicher Amplitude [Remarks on the theory of short frontal waves of finite amplitude], 19.10-756
Vitga, O.
Raschety mnogoletnego regulirovaniia stoka vodokhranilishchami i kolebaniia solnechnoi aktivnosti [Computation of long-term runoff regulation by means of reservoirs and fluctuations of solar activity] (*with* **Souchek, Vl.**), 19.11-802
Vitiazeva, V. A., *see* **Brattsev, L. A.**, 19.4-381
Vitkevich, V. V.
O melkomasshtabnykh neodnorodnostiakh magnitnogo polia sverkhkorony Solntsa i mezhplanetnoi plazmy [Small-scale irregularities of the solar magnetic field supercorona and interplanetary plasma] (*with* **Lotova, N. A.**) [and Eng. transl.], 19.12-567
Ob issledovanii solnechnogo vetra i raspredelenii iarkosti radioistochnikov pri nabliudenii ikh mertsanii [Investigation of the solar wind and brightness distribution of radio sources during operations on scintillation], 19.1-450
Predominantly radial magnetic field in the space about the Sun [Transl. from Russ.], 19.1-15

Spikuly kak vozmozhnaia pervoprichina obrazovaniia melkomasshtabnykh neodnorodnostei v sverkhkorone Solntsa i mezhplanetnoi plazme [Spicules as a possible cause of formation of small-scaled irregularities in the supercorona of the Sun and in the interplanetary plasma] [and Eng. transl.], 19.2-508
Viton, Paul
Contribution a la recherche d'un capteur d'humidite pour stations automatiques, 19.4-137
Vittori Antisari, Ottavio
Concentrazioni di SO_2 ed S totale nei bassi strati ed inversioni termiche [Concentration of SO_2 and total S in the lower atmosphere and heat inversion] (*with* **Nucciotti, F.**), 19.1-152
Laboratory arrangement of a Nakaya-type chamber (*with* **Boccaletti, M. G.** and **Prodi, V.**), 19.2-272
New experiments on hailstone structure (*with others*), 19.11-474
New radiometer for atmospheric long waves (*with* **Prodi, V.** and **Vicentini, V.**), 19.2-94
Ricerche sulla rivelazione e sul campionamento di particelle atmosferiche, Pt. 1-2 (*with* **Pesaresi, R.**), 19.4-108
Size distribution of airborne magnetic black spherules in the 1-5 μ range, 19.12-149
Vivona, F. M., *see* **Gregori, G. P.,** 19.12-515
Vladimirov, A. M.
Minimal'nyi stok malykh rek Aziatskoi territorii SSSR [Minimum runoff into small rivers of the Asiatic U.S.S.R.], 19.2-605
Vladimirov, O. A.
Nekotorye kharakteristiki vod, primykaiushchikh k vostochnym beregam Severnoi Ameriki [Some characteristics of waters adjoining the eastern shores of North America] (*with* **Rozova, L. V.** and **Buinevich, A. G.**), 19.11-734
Vladimirskii, B. M.
Sutochnaia variatsiia kosmicheskikh luchei i ee sviaz' s solnechnoi aktivnost'iu [The diurnal variation of cosmic rays and its connection with solar activity] (*with* **Pankratov, A. K.** and **Stepanian, A. A.**), 19.6-527
Vlasova, M. G., *see* **Sorkina, A. I.,** 19.11-319
Vodogretskii, V. E.
Estimation of ground-water recharge by atmospheric precipitation and calculation of variations in the amounts of moisture in the ground of watersheds in a zone of insufficient moisture [Transl. from Russ.], 19.9-847
Voegtli, Kurt
D. C. resistivity soundings on Devon Island, N.W.T., Canada, 19.4-722
See also **Roethlisberger, H.,** 19.4-721
Voelker, H.
Observations of geomagnetic pulsations: pc 3, 4 and pi 2 at different latitudes, 19.11-582
Voevodin, V. A.
Opyt opredeleniia tolshchiny plavuchikh l'dov pri pomoshchi stereofotogrammeticheskoi obrabotki aerosnimkov [Attempt to determine the drift-ice thickness with the aid of the stereophotogrammetric treatment of air photographs] (*with* **Mironov, L. V.**) [and Eng. transl.], 19.11-754
Voge, J.
Programme de telecommunication par satellites d'Intelsat--problems interessant l'URSI, 19.9-31
Vogel, J. C.
Investigation of groundwater flow with radiocarbon, 19.9-857
See also **Lerman, J. C.,** 19.5-582
Vogt, Hasso
Visibility measurement using backscattered light, 19.12-97
Voiculescu, Camelia, *see* **Modval, M.,** 19.11-94
Voigt, S.
Das Schadensgewitter vom 15. September 1964 im Raum westlich von Berlin [Damaging thunderstorm of Sept. 15, 1964 in the area west of Berlin], 19.1-194
Voit, S. S.
Obzor rabot po teorii voln tsunami, vypolnennykh v Sovetskom Soiuze (K 50-letiiu Sovetskoi vlasti) [Survey of Soviet studies on the tsunami theory (50th anniversary of the Soviet regime)] [and Eng. transl.], 19.5-698
Prilivy v moriakh i okeanakh (Obzor otechestvennykh issledovanii za 50 let Sovetskoi vlasti) [Tides in seas and oceans (Review of Soviet investigations for the last 50 years)] [and Eng. transl.], 19.9-793
Voitkovskii, K. F.
Relaxation of stresses in ice, 19.11-771
Voitov, V. I., *see* **Arsen'ev, V. S.,** 19.12-693
Voitsekhovich, Z., *see* **Ross, Iu.,** 19.10-57
Volchok, H. L.
Implications of changes in the global strontium 90 budget (*with* **Krey, P. W.**), 19.4-203
Volevakha, V. A.
O nekotorykh osobennostiakh rezhima vlazhnosti i vetra v svobodnoi atmosfere pri sukhoveiakh na Ukraine [Certain characteristics of the moisture and wind regimes in the free atmosphere associated with dry winds in the Ukraine], 19.2-248
Sinopticheskie usloviia, privodiashchie k vozniknoveniiu sukhoveev na Ukraine [Synoptic conditions leading to the formation of Sukhovei in the Ukraine], 19.1-264
Vol'ftsun, I. B.
K raschetu gruntovogo pitaniia malykh vodotokov po srednei moshchnosti podzemnogo potoka na vodosbore [Calculation of ground feeding of small streams from the mean magnitude of subsurface flow on a catchment area], 19.3-698
Raschet pitaniia podzemnykh vod atmosfernymi osadkami na vodnobalansovykh ploshchadkakh VNIGL [Calculation of feeding of subsurface water by precipitation on water balance experimental plots of the Valdai Hydrological Research Laboratory], 19.2-304
Sposob rascheta sutochnykh velichin poverkhnostnogo i podzemnogo pitaniia malykh vodotokov po gidrometeorologicheskim dannym [Method of calculating daily amounts

of surface and subsurface feeding of small streams based on hydrometeorological data], 19.2-598

Volkov, Iu. A.

Shirokopolosnyi volnograf soprotivleniia, metodika izmerenii i statisticheskogo analiza volnovykh kolebanii poverkhnosti moria [Broad bandwidth resistance wave recorder, methods of measurement and statistical analysis of sea surface waves] (*with* **Karpovich, Iu. V.** and **Kestner, A. P.**) [and Eng. transl.], 19.4-621

See also **Tsvang, L. R.,** 19.1-254

Volkov, N. A.

Issledovaniia kriotektoniki morskogo l'da dlia tselei gliatsiologii i geologii [Investigations of cryotectonics of sea ice for the purposes of glaciology and geology] (*with* **Voronov, P. S.**), 19.12-764

Sostoianie i perspektivy metodiki dolgosrochnykh ledovykh prognozov dlia Arkticheskikh morei [State and prospects of the methods for long-term ice forecasts in the Arctic seas] (*with* **Gudkovich, Z. M.**) [and Eng. transl.], 19.5-707

Volkovitskaia, Z. I.

Nizkochastotnaia granitsa inertsionnogo intervala v nizhnem sloe atmosfery [The low frequency limit of the inertial interval in the atmospheric boundary layer] (*with* **Ivanov, V. N.**) [and Eng. transl.], 19.4-281

Volkovitskii, O. A.

Izmerenie prozrachnosti tumanov, sozdavaemykh v eksperimental'nykh ustanovkakh [Transparency measurement in experimentally produced fogs] (*with* **Pavlova, L. N.**), 19.8-467

Otsenka koeffitsienta turbulentnoi diffuzii v aerozol'noi kamere [Evaluation of the coefficient of turbulent diffusion in an aerosol chamber] (*with* **Ermoshina, L. I.** and **Sedunov, Iu. S.**), 19.11-316

Predvaritel'nye dannye ob "adiabaticheskikh" tumanakh v bol'shoi aerozol'noi kamere [Preliminary data on "adiabatic" fogs in a large aerosol chamber] (*with* **Ermoshino, L. I.** and **Pavlova, L. N.**), 19.11-439

Primenenie poluprovodnikovykh diodov dlia izmereniia temperatury [Use of semiconductor diodes in temperature measurements] (*with* **Smirnov, V. V.**), 19.9-127

See also **Borovskii, N. V.,** 19.8-151, 164

Volland, H., *see* **Priester, W.,** 19.1-94

Vollstaedt, H.

Palaeomagnetic stability and the petrology of some caenozoic and cretaceous andesites of Bulgaria (*with* **Rother, K.** and **Nozharov, P.**), 19.7-588

See also **Froelich, F.,** 19.10-606

Volodichev, N. N.

Izuchenie energeticheskogo raspredeleniia chastits kosmicheskikh luchei s razlichnymi massami na ISZ "Proton-1" i "Proton-2" [Study of the energy distribution of cosmic ray particles with various masses on the "Proton-1" and "Proton-2" satellites] (*with* **Grigorov, N. L.** and **Savenko, I. A.**) [and Eng. transl.], 19.1-423

Izuchenie sverkhtiazhelykh iader v kosmicheskikh luchakh [Study of superheavy nuclei in cosmic rays] (*with* **Grigorov, N. L.** and **Savenko, I. A.**) [and Eng. transl.], 19.3-441

Volokitina, L. A.

Nekotorye statisticheskie dannye o vetre v atmosfere i dvizhenii tsiklonov i antitsiklonov nad Evropeiskoi Territoriei SSSR [Some statistical data on wind in the atmosphere and the movement of cyclones and anticyclones above the European U.S.S.R.] (*with* **Demidova, E. I.**), 19.5-201

Voloshchuk, V. M.

K teorii nesimmetrichnykh techenii aerozolia [Theory of asymmetrical aerosol flow] [and Eng. transl.], 19.2-145

Ob obtekanii aerozolem prepiatstvii pri malykh chislakh Stoksa [Flow of aerosol around obstacles at small Stokes number] [and Eng. transl.], 19.1-153

Volostnyzh, B. V.

Gidrokhimicheskaia izuchennost' vod Atlanticheskogo okeana [Hydrochemical investigation of the waters of the Atlantic Ocean] (*with* **Rambaev, V. F.** and **Lebedeva, L. N.**), 19.1-546

Volz, F.

On synoptics and nature of noctilucent clouds, 19.8-477

Volz, F. E.

Turbidity at Uppsala from 1909 to 1922 from Sjoestroem's solar radiation measurements, 19.12-238

Von Buelow, Kurd

Sonden-Mondphotos in geologischer Sicht [Geological aspects of photographs of the Moon from space probes], 19.1-483

Vonder Haar, Thomas H., *see* **Suomi, V. E.,** 19.9-659

Vondrackova, Helena

Porovnani geostrofickenho, gradientoveho a pseudogeostrofickeho vetru se skutecnym vetrem [Comparison between the geostrophic, gradient, and pseudogeostrophic winds and real wind], 19.6-348

Von Gohren, Edward V.

Summaries of pressure, temperature, and density over Cape Kennedy AFS, including periodic density variations, 19.4-93

Von Klueber, H.

Measurements of solar magnetic fields near dark filaments, 19.5-600

Spectroscopic determination of solar magnetic fields, 19.12-650

Vonnegut, B., *see* **Mohnen, V.,** 19.11-254

Von Rudloff, Hans

Die Schwankungen der Grosszirkulation in den Hauptjahreszeiten in Europa innerhalb der letzten Jahrhunderte [Large-scale circulation variations in the main seasons in Europe during the last centuries], 19.7-275

Von Trepka, Lothar

Anwendung des hydrodynamisch-numerischen Verfahrens zur Ermittlung des Schelfeinflusses auf die Gezeiten in Modellkanaelen und

Modellozeanen [Application of the hydrodynamical numerical procedure to the determination of the effort of the shelf on tides in channel models and in ocean models], 19.4-697

Von Wald, Walter A., Jr.
Small network of automatic weather stations, 19.4-138

Von Winkle, William A.
Sound velocity profiles in an area south of Bermuda (*with* **Jones, L. M.**), 19.4-628

Von Zahn, U.
Mass spectrometric measurements of atomic oxygen in the upper atmosphere: a critical review, 19.4-68

Vorob'ev, I. E.
Some problems concerning methods of meteorological observation in the Antarctic zone, and interpretation of observation results (*with others*) [Transl. from Russ.], 19.8-112

Vorob'ev, V. I.
Nekotorye kharakteristiki planetarnykh vysotnykh frontal'nykh zon umerennykh shirot [Certain characteristics of planetary upper frontal zones of middle latitudes], 19.1-198

Vorob'ev, V. N., *see* **Maksimov, I. V.**, 19.1-461; 19.6-689

Vorob'eva, A. G.
Vliianie gorizontal'no-neodnorodnogo pogranichnogo sloia na dinamiku protsessov bol'shogo masshtaba [Influence of a horizontally inhomogeneous boundary layer on the dynamics of large-scale processes] (*with* **Kurbatkin, G. P.** and **Laikhtman, D. L.**) [and Eng. transl.], 19.12-275

Vorob'eva, E. F.
Iacheikovaia konvektsiia pri anizotropnoi turbulentnosti i nalichii polia otnositel'nogo vikhria [Cellular convection with anisotropic turbulence and the presence of relative vortex] (*with* **Trubnikov, B. N.**), 19.3-256
O nelineinykh effektakh v protsesse iacheikovoi konvektsii [Nonlinear effects in processes of cellular convection] (*with* **Trubnikov, B. N.**), 19.3-257

Vorob'eva, E. V.
K voprosu o rasprostranenii makrotsirkuliatsionnogo metoda dolgosrochnykh prognozov na territoriiu SSR primenitel'no k osadkam [Problem of the extension of the macrocirculation method of long-range forecasts to the U.S.S.R. in relation to precipitation] (*with* **Sokolova, A. P.**), 19.2-116
Kharakteristiki osadkov pri osnovnykh formakh atmosfernoi tsirkuliatsii [Characteristics of precipitation associated with the principal forms of atmospheric circulation], 19.1-300
Tsiklicheskie izmeneniia intensivnosti zonal'noi tsirkuliatsii v srednei troposfere i ikh vremennye variatsii [Cyclic changes of the intensity of zonal circulation in the middle troposphere and their time variations], 19.2-168

Voronov, G. S.
Opyt protivogradovoi zashchity v Moldavskoi SSR [Experience with hail control measures in the Moldavian SSR] (*with others*), 19.3-135
Pribory dlia sbora i fotografirovaniia grada [Instruments for collecting and photographing hail], 19.5-132

Voronov, P. S., *see* **Volkov, N. A.**, 19.12-764

Vorontsov, F. F.
Volnenie na Ladozhskom ozere [Waves on Lake Ladoga], 19.8-388

Vorontsov, P. A.
O stratifikatsii pogranichnogo sloia v beregovoi zone nad Ladozhskim ozerom v osennii period [Stratification of the boundary layer in the shore zone above Lake Ladoga in the fall], 19.1-232
Program and techniques of atmospheric turbulence research on mountainous helicopter routes [Transl. from Russ.], 19.2-233

Voshall, Roy E., *see* **Uman, M. A.**, 19.6-467

Voskanian, A. G.
Sutochnyi khod temperatury i turbulentnyi obmen pri nagreve poverkhnostinogo sloia moria [Diurnal temperature variations and turbulence exchange during heating of the sea surface layer] (*with* **Pivovarov, A. A.** and **Khundzhua, G. G.**) [and Eng. transl.], 19.5-227

Vostroknutov, A. A., *see* **Timofeeva, V. A.**, 19.7-737

Vostry, J.
Note on Tuominen's modification of Babcock's theory of the solar magnetic field, 19.3-598

Vowinckel, Eberhard
Inversion over the polar ocean (*with* **Orvig, S.**), 19.12-256
Oranzhereinyi effekt arkticheskoi atmosfery [Greenhouse effect of the Arctic atmosphere] (*with* **Orvig, S.**), 19.4-254
Some estimates about the size and variation of the Antarctic pack ice belt, 19.3-665

Vrana, A.
Cosmic ray records, Mawson 1965 (*with* **Francey, R. J.**), 19.8-550

Vsekhsviatskii, Sergei Konstantinovich
Comets: guide to International Data Exchange (for the IQSY period 1964-1965) (*with* **Fedorov, E. P.**), 19.8-667
Comets: scientific observations and observational programmes (*with* **Fedorov, E. P.**), 19.8-668
Fizicheskie kharakteristiki komet, nabliudavshikhsia v 1954-1960 gg [Physical characteristics of comets observed during 1954-1960], 19.3-584
Kometa Ikeiia-Seki 1965 f i problemy planet [Ikei-Seki comet 1965 f and the problem of planets], 19.9-698

Vsesoiuznoe Astronomo-Geodezicheskoe Obshchestvo
Meteornaia materiia v atmosfere Zemli: sbornik statei [Meteoric matter in the Earth's atmosphere: collection of articles], 19.4-12
Nabliudeniia serebristykh oblakov [Noctilucent cloud observations], 19.5-19

Vsesoiuznoe Nauchnoe Meteorologichesko Soveshchanie, 1st, Leningrad, 1961
Proceedings of the All-Union Meteorological Conference, Vol. 9, Instruments and methods for

meteorological observations [Transl. from Russ.], 19.9-24

Vsesoiuznoe Soveshchanie po Fizike Kosmicheskikh Luchei, Moscow, Nov. 1965
  Materialy [Papers from the All-Union Conference on Cosmic-Ray Physics, Moscow, Nov. 15-20, 1965], 19.1-10

Vsesoiuznoe Soveshchanie po Kosmofizicheskomu Napravleniiu Issledovanii Kosmicheskikh Luchei, 1st, Yakutsk, Aug./Sept. 1962
  Cosmic rays and problems of space physics [Transl. from Russ.], 19.1-15

Vu, Boi Kiem
  Some types of quasi-stationary flow-patterns in the subtropical westerlies in winter over Southeastern Asia, 19.2-256

Vukovich, Fred M.
  Study of the influence of changes of the heat function of climatic changes (*with* **Chow, C. F.**), 19.11-487

Vulev, Marko, *see* **Minchev, R.,** 19.8-782

Vun Kannon, R. S., *see* **Miller, E. R.,** 19.10-156

Vuorela, Lauri A.
  Synoptic case study of the temperature and wind fields over Murchison Bay, Spitzbergen, during mid-winter, 19.7-331

Vvedenskaia, L. I.
  Nekotorye kharakteristiki meteorologicheskikh i aerosinopticheskikh uslovii zadymleniia v g. Novosibirske [Some characteristics of meteorological and synoptic conditions of smoke pollution in Novosibirsk] (*with others*), 19.12-150

Vychkova, Anna Timofeeva, *see* **Pokrovskaia, T. V.,** 19.3-3

Vykhristiuk, M. M., *see* **Borisova, L. A.,** 19.9-370

W

Wachter, Heinz
  Haeufigkeitsverteilungen der Zirkumglobalstrahlung in Bad Soden im Taunus [Frequency distribution of circumglobal radiation in Bad Soden am Taunus], 19.6-294
  Wie gut ist die Wettervorhersage? [How good is weather forecasting?], 19.7-190

Wada, Eitaro, *see* **Miyake, Y.,** 19.4-645

Wada, H.
  Some relations between the behaviour of the polar vortex and long range weather forecasting (*with* **Asakura, T.**), 19.12-203

Wada, Masami
  Double sunspot-cycle variation in cosmic ray diurnal variation (*with* **Kudo, S.**), 19.5-451
  Storm-time increase in cosmic-ray intensity on May 25-26, 1967, 19.11-559

Waddell, Kidd M., *see* **Mundorff, J. C.,** 19.6-756

Waddington, C. J.
  Paleomagnetic field reversals and cosmic radiation, 19.5-484
  See also **Freier, P. S.,** 19.12-518

Waddoups, Ray O., *see* **Baker, D. J.,** 19.1-406; 19.9-619

Wade, Mason D., Jr., *see* **Cook, R. G.,** 19.7-776

Wadehra, N. S.
  Amplitude spectra of reflection type atmospherics (*with* **Tantry, B. A. P.**), 19.6-471
  Audio frequency spectra of K changes in a lightning discharge (*with* **Tantry, B. A. P.**), 19.5-391
  Phase spectra of distant atmospherics (*with* **Tantry, B. A. P.**), 19.3-375

Waggoner, Paul E.
  Moisture loss through the boundary layer, 19.6-365
  Simulation of the temperature, humidity and evaporation profiles in a leaf canopy (*with* **Reifsnyder, W. E.**), 19.9-540

Wagner, A. James
  Objective numerical prediction out to six days using the primitive equation model: a test case, 19.1-126
  Weather and circulation of June 1967: a cool month with excessive rainfall in the plains, 19.2-76
  Weather and circulation of Sept. 1967: a month of continued record warmth in the West, coolness in the East, and frequent tropical activity, 19.5-84
  Weather and circulation of Jan. 1968: extreme cold followed by rapid warming at mid-month, 19.8-96

Wagner, C. F.
  Lightning and transmission lines, 19.1-346

Wagner, Chr. Ulr.
  About a "semi-annual" variation of the amplitude of the geomagnetic S_q-variations in median latitudes, 19.8-573
  Electrical conductivity in the region from 105 to 125 km, 19.9-608

Wagner, R.
  Vertikale temperaturschichtung im Boden und ein mathematisches Modell derselben, I [Vertical stratification of the soil temperature and its mathematical model, Pt. 1], 19.9-414

Wagner, Walter C.
  New pressure sensor for high-altitude balloons, 19.6-126

Wahl, E. W.
  Comparison of the climate of the eastern United States during the 1830's with the current normals, 19.6-441

Waisel, Yoav, *see* **Vaadia, Y.,** 19.7-376

Wait, James R.
  Applications and limitations of the mode theory of long wave radio propagation, 19.10-78
  Mode conversion and refraction effects in the Earth-ionosphere waveguide for VLF radio waves, 19.10-560
  On the calculation of mode conversion at a graded height change in the Earth-ionosphere waveguide at VLF (*with* **Spies, K. P.**), 19.12-512
  See also **Large, D. B.,** 19.3-393; 19.12-495; **Schlak, G. A.,** 19.4-51; **Spies, K. P.,** 19.3-45

Wakahama, Gorow
  On the plastic deformation of single crystal of ice, 19.11-772

Walbaum, Michel
  Interaction de la tache rouge de Jupiter et des trois nouvelles formations de la bande temperee sud (WOS) (*with* **Jacquesson, M.** and **Bazin, M.**), 19.3-570
Walbridge, E.
  Limiting of magnetospheric convection by dissipation in the ionosphere, 19.2-461
Walczewski, Jacek
  Bledy radiolokacyjnego sledzenia oblokow dipoli przy rakietowych pomiarach wiatrow gornych [The errors of the radar tracking of dipole clouds during upper wind measurements by rockets], 19.6-106
  First series of rocket wind measurements over the Polish coast of Baltic Sea, 19.8-391
  Koncepcja wstepnych eksperymentow sztucznego oddzialywania na chmury [Project for preliminary experiments in artificial cloud modification], 19.5-159
  Rakietowe pomiary wiatrow nad polskim wybrzezem Baltyku: metoda i wyniki pierwszego roku sondazu [Rocket wind measurements over Polish coast of Baltic Sea: the method and results of first year of soundings], 19.7-355
Walden, Hans
  [Summarization of] R. Amersdorffer: Bemerkenswerte Radarechos vor Nordwestafrika [Unusual radar echoes for Northwest Africa], 19.7-110
  Zur Frage der Windgeschwindigkeitsaequivalente fuer die Stufen der Beaufortskala [Wind speeds corresponding to the steps in the Beaufort scale], 19.1-62
  See also **Carlson, H.**, 19.10-377
Waldmeier, M.
  Die Expedition zur Beobachtung der totalen Sonnenfinsternis vom 12. November 1966 [Expedition on observations of the total solar eclipse, Nov. 12, 1966], 19.9-718
  Heliographic maps of the photosphere for the year 1966, 19.7-686
  Heliographische Karten der Photosphaere fuer das Jahr 1965 [Heliographic charts of the photosphere for 1965], 19.11-673
  Die Korona bei der Sonnenfinsternis vom 20. Mai 1966 [Corona during May 20, 1966 solar eclipse], 19.4-597; ... vom 12. November 1966, I [Corona during the solar eclipse of Nov. 12, 1966, Pt. 1], 19.9-710
  Die Sonnenaktivitaet im Jahre 1966 [Solar activity in 1966], 19.8-671
  Die totale Sonnenfinisternis vom 30. Mai 1965 [The total solar eclipse of May 30, 1965], 19.6-632
Waldteufel, P., *see* **Vasseur, G.**, 19.12-511
Wales. University College, Aberystwyth
  Frost, 19.9-26
Walford, M. E. R.
  Field measurements of dielectric absorption in Antarctic ice and snow at very high frequencies, 19.7-435
Walker, A. B. C., Jr., *see* **Rugge, H. R.**, 19.8-687
Walker, A. D. M.
  Ray tracing in the ionosphere at VLF, Pts. 1 and 2, 19.7-629
Walker, D.
  Cycle slipping of VLF signals during sunrise and sunset, 19.10-221
Walker, E. R., *see* **Johnson, O.**, 19.1-139
Walker, G., *see* **Geake, J. E.**, 19.4-582
Walker, H. J., *see* **Arnborg, L.**, 19.7-804
Walker, J. M.
  Sea level isobars? 19.12-264
  Subterranean isobars, 19.1-242
  See also **Hamilton, R. A.**, 19.4-66
Walker, J. W., *see* **Pearce, D. C.**, 19.2-584
Walker, James C. G.
  Electron and nitrogen vibrational temperature in the E-region of the ionosphere, 19.9-609
  Ionospheric electron densities and temperatures in aurora (*with* **Rees, M. H.**), 19.9-615
  See also **Rees, M. H.**, 19.10-549
Walker, Kenneth C.
  Agricultural practices influencing air quality, 19.6-220
Walker, Robert L., *see* **Bollermann, B.**, 19.1-79
Wallace, D. E.
  Contribution to regional water table from transmission losses of ephemeral streambeds (*with* **Renard, K. G.**), 19.10-786
Wallace, John Michael
  Diagnostic numerical model of the quasi-biennial oscillation (*with* **Holton, J. R.**), 19.7-281
  Long period wind fluctuations in the tropical stratosphere, 19.6-10
  Note on the role of radiation in the biennial oscillation, 19.1-173
  Observational evidence of Kelvin waves in the tropical stratosphere (*with* **Kousky, V. E.**), 19.12-156
Wallace, L., *see* **Barth, C. A.**, 19.9-683
Wallen, C. C.
  Arid zone meteorology, 19.11-504
  Aridity definitions and their applicability, 19.2-320
Waller, R. A.
  Comparison between the quality of the techniques and the data available to the environmental engineer with regard to wind loading (*with* **Dukes, T. P.** and **Dalley, E. J.**), 19.11-414
Wallin, Jack R.
  Ground level climate in relation to forecasting plant diseases, 19.7-185
Wallis, James R.
  Factor analysis in hydrology: an agnostic view, 19.11-786
Wallis, M. K.
  Physics of cometary plasma, 19.7-681
Walmsley, J. L.
  Ice cover and surface heat fluxes in Baffin Bay, 19.4-679
Walshaw, C. D.
  Remarks on the computation of radiative heating rates, 19.8-323
Walshe, D. E.
  Wind-tunnel investigations of the dynamic

behaviour of some tall stacks and gas-turbine exhaust towers, 19.12-303
Valt, Martin
Penetration of electrons into the atmosphere, 19.4-456
See also **Newkirk, L. L.**, 19.7-480
Valter, –, *see* **Fiedler, R.**, 19.5-333
Valter, C. H., *see* **Lee, W. C. Y.**, 19.8-69
Valter, Heinrich
Das Pampaproblem in vergleichend oekologischer Betrachtung und seine Loesung [Problem of the pampa in comparative ecological observation and its solution], 19.1-326
Valters, L. C., *see* **Ma, M. T.**, 19.6-90
Valton, A.
Carbon-14 concentrations in environmental materials and their temporal fluctuations (*with others*), 19.10-230
Valton, Alan G.
Crystal nucleation from solution (*with others*), 19.4-323
Valz, Alfred
New general law for the turbulent dissipation integral, 19.10-350
Vand, I. C., *see* **Jones, T. B.**, 19.10-535
Vang, C. P.
Cosmic-ray muons and the atmospheric coefficients near geomagnetic equator (*with* **Lee, A. H.**), 19.4-503
Vang, Chang Yi
Class of exact solutions of the magnetohydrodynamic equations, 19.12-548
See also **Laaspere, T.**, 19.7-489
Vang, Hung Wen
Geographic factors of the development of Chung-Ho Hsiang, Taipei Hsien, 19.4-371
Vang, Jen Yu
Agricultural meteorology, 19.6-3
Vang, John T.
Directional characteristics of lunar surface temperature from measurements by Surveyor 1, 19.11-643
Vang, T. L., *see* **Pruppacher, H. R.**, 19.6-376
Vanta, R. C.
Meteorology and air pollution, 19.8-239
Vaqif, Arif A., *see* **Portman, D. J.**, 19.7-339
Varboys, I. B.
Climatic factors in the development of local grass conservation techniques, 19.7-443
Varburton, J. A.
Neutron activation measurements of silver in precipitation from locations in western North America (*with* **Young, L. G.**), 19.9-502
Neutron activation procedures for silver analysis in precipitation (*with* **Young, L. G.**), 19.9-503
Vard, Neil B.
Effect of rotation on a buoyant convective column, 19.10-391
Vard, P. R. B.
Measurement of riverflow with radioactive isotopes with particular reference to the method and time of sampling (*with* **Wurzel, P.**), 19.12-815
Ward, R. C.
Design of catchment experiments for hydrological studies, 19.9-816
Evapotranspiration from the Thames floodplain, 19.10-399
Principles of hydrology, 19.5-3
Ward, S. H., *see* **Zelwer, R.**, 19.1-425
Wargelin, Richard M.
Oceanographic cruise summary, Aegean Sea, 19.5-624
Warneck, Peter
Laboratory rate coefficients for positive ion-neutral reactions in the ionosphere [Discussion by R. N. Varney], 19.3-400
On the quenching of the 6300 Å airglow (*with* **Sullivan, J. O.**), 19.1-408
Studies of ion-neutral reactions by a photoionization-mass spectrometer technique, Pt. 3, 19.1-392
Warnecke, Guenter
Meteorologische Aufgaben und Probleme beim Ueberschall-Luftverkehr [Meteorological tasks and problems in supersonic air transportation], 19.6-55
Satelliten und Meteorologie [Satellites and meteorology], 19.6-67
Stratospheric temperature patterns derived from Nimbus II measurements (*with* **McCulloch, A. W.**), 19.10-307
Warner, B., *see* **Thackeray, A. D.**, 19.3-587
Warner, B. D., *see* **Bean, B. R.**, 19.9-137
Warner, J.
Production of cloud nuclei by cane fires and the effect on cloud droplet concentration (*with* **Twomey, J.**), 19.2-274
Reduction in rainfall associated with smoke from sugar-cane fires: an inadvertent weather modification? 19.8-216
See also **Twomey, S.**, 19.1-289
Warnke, D. A., *see* **Brogden, W. B.**, 19.11-691
Warren, Bruce A.
Gulf Stream, 19.4-667
Notes on translatory movement of rings of current with application to Gulf Stream eddies, 19.4-668
Warren, Carlos S.
Radiation dosimetry on the Gemini and Apollo missions (*with others*), 19.7-52
See also **Marbach, J. R.**, 19.10-625
Warren, D. H. D., *see* **Scott, D. W.**, 19.7-634
Warshaw, Michael
Cloud-droplet coalescence: effects of the Davis-Sartor collision efficiency, 19.12-335
Cloud droplet coalescence: statistical foundations and a one-dimensional sedimentation model [Comments by W. T. Scott and E. X. Berry], 19.5-292
Wartena, L., *see* **Palland, C. L.**, 19.9-169
Warwick, James W.
Radiophysics of Jupiter, 19.1-472
Solar radio bursts of Type V interpreted as Type III's in superheated coronal streamers, 19.5-547
Washbourn, Celia K.
Lake levels and Quaternary climates in the Eastern Rift Valley of Kenya, 19.5-344

Washichek, Jack N.
Snow measurement accuracy in high density snow course network in Colorado (*with* **McAndrew, D. W.**), 19.8-198
Washington (State). Univ. Seattle. Dept. of Atmospheric Sciences
Results of a continuing Arctic meteorology programme, 19.12-57
See also **Paulson, C. A.**, 19.7-9; **Sugiura, M.**, 19.11-571
Washington (State). Univ., Seattle. Dept. of Oceanography
Physical, chemical, and biological data from the Northeast Pacific Ocean: Columbia River effluent area, July-Dec. 1963, 19.3-618; . . . 1964, 19.7-719; . . . 1965, 19.7-720
University of Washington Publications in Oceanography, Vol. 1-4 and Contributions from the Dept. of Oceanography, Univ. of Washington, 19.8-697
Wasilewski, Peter J.
Geomagnetic secular variation in Ellsworth Land, Antarctica, 19.2-32
Wasserman, Larry P.
Feasibility evaluation of a moored oceanographic buoy-satellite data relay system, 19.9-662
Watanabe, Kantaro
Summary of drift ice in the Okhotsk Sea, 19.12-765
Watanabe, Okitsugu
Glaciers and glaciations in the Nepal Himalaya, Pt. 1 (*with* **Endo, Y.** and **Ishida, T.**), 19.9-804
Watanabe, Shigeaki, *see* **Kato, Y.**, 19.8-597
Watanabe, Shigeo, *see* **Nezu, S.**, 19.5-321
Watanabe, Takashi, *see* **Yamashita, T.**, 19.12-574
Water Supply Outlook for Utah and Federal-State-Private Cooperative Snow Survey, as of Feb. 1, 1968, 19.11-793
Waterfield, Robert, *see* **Gifford, F. A., Jr.**, 19.4-288
Waterman, A. T., Jr., *see* **Lee, R. W.**, 19.7-85
Waters, D. M., *see* **Gilmer, R. O.**, 19.7-251
Watkins, N. D., *see* **Baksi, A. K.**, 19.5-477
Watkinson, A., *see* **Mullaly, R. F.**, 19.11-619
Watson, D. G.
Limnology of tundra ponds and Ogotoruk Creek (*with others*), 19.7-795
Watson, H. S.
New representation of weather forecasts for internal flights, 19.4-168
Watson, L. H., *see* **Morganstern, J. C.**, 19.10-214
Watson-Munro, C. N., *see* **Cross, R. C.**, 19.12-50
Watt, G. A.
Index of comfort for Bahrain, 19.5-56
Watterson, G. A.
Daily rainfall patterns at Melbourne (*with* **Legg, M. P. C.**), 19.6-399
Watts, Alan
Instant weather forecasting, 19.9-41
Weather forecasting ashore and afloat, 19.8-33
Watts, George M., *see* **Caldwell, J. M.**, 19.5-612
Watts, J. W., *see* **Burrell, M. O.**, 19.10-52
Watts, Raymond N., Jr.
X-ray portraits of the Sun, 19.11-672
Wayne, Lowell G., *see* **Haagen-Smit, A. J.**, 19.8-228
Weatherwise, [Boston]
Selective bibliography in meteorology, 19.5-35
Weaver, C. R.
Precipitation probability computer program (*with* **Miller, M.**), 19.7-400
Weaver, Donald K., Jr.
Bridger Data Acquisition System at Montana State University, Bozeman, Montana, 19.6-100
Weaver, Robert L.
Meteorology of major storms in western Colorado and eastern Utah, 19.6-261
Weaver, William L., *see* **Cochrane, J. A.**, 19.10-389
Webb, Lannie D.
Characteristics and use of X-15 air-data sensors, 19.12-82
Webb, W. J.
New Zealand Antarctic Research Programme for 1967-68, 19.10-37
Webb, W. W.
Dislocations and plastic deformation of ice (*with* **Hayes, C. E.**), 19.8-447
Webb, Willis L.
Atmospheric electrical structure, 19.10-497
D-region fair-weather electric field (*with* **Bolen, M. C.**), 19.3-401
Seminar on the stratospheric circulation, 19.7-245
Source of atmospheric electrification, 19.8-482
Spaceport meteorology, 19.12-41
Webber, N. J., *see* **Smith, R. W.**, 19.6-513
Webber, William R.
Cerenkov-scintillation counter measurements of nuclei heavier than helium in the primary cosmic radiation, Pt. 1 (*with* **Ormes, J. F.**), 19.4-501
Spectrum and charge composition of the primary cosmic radiation, 19.10-597
See also **Lockwood, J. A.**, 19.4-488; **Ormes, J. F.**, 19.12-522
Weber, Friedhold
Ergebnisse meteorologischer Messungen mit Verkehrsflugzeugen im Bereich von Hoehentief and Hoehentrog [Results of meteorological measurements with commercial planes in areas of upper air depressions and troughs], 19.6-266
Webster, A. S., *see* **Shakeshaft, J. R.**, 19.10-669
Webster, Ferris
Compilation of moored current meter observations, Vol. 3 (*with* **Fofonoff, N. P.**), 19.7-742
Scheme for sampling deep-sea currents from moored buoys, 19.1-527
Weedfall, R. O.
Agroclimate of University Experiment Farm, Kearneysville, West Virginia (*with* **Dickerson, W. H.** and **Stirm, W. L.**), 19.7-56
Climate of Berkeley County: including a climatological summary of Martinsburg (*with others*), 19.6-434
Mesoclimatological classification system for air pollution engineers, 19.4-181
See also **Dickerson, W. H.**, 19.8-442
Weeks, L. H., *see* **Smith, L. G.**, 19.8-531

Weeks, W. F.
Effective solute distribution coefficient during the freezing of NaCl solutions (*with* **Lofgren, G.**), 19.12-766
Mechanical properties of sea ice (*with* **Assur, A.**), 19.4-714

Wehry, W.
Hochwasser-Wetterlagen in den Alpen [Flood weather conditions in the Alps], 19.5-317

Weickmann, Helmut K.
Cloud physics and kinematics (*with* **Grote, H.**), 19.2-85

Weidemann, Volker
On the scale of bolometric corrections (*with* **Bues, I.**), 19.8-116

Weidick, Anker
About the use of the expression "inland ice", 19.9-802

Weiffenbach, G. C.
Tropospheric and ionospheric propagation effects on satellite radio-Doppler geodesy, 19.10-130

Weikinn, Curt
Bemerkenswerte hydrometeorologische Erscheinungen frueherer Jahrhunderte in Europa, Teil I [Remarkable hydrometeorological phenomena of earlier centuries in Europe, Pt. 1], 19.1-313

Weiler, H. S.
Direct measurements of stress and spectra of turbulence in the boundary layer over the sea (*with* **Burling, R. W.**), 19.1-247

Weill, Gilbert M.
Airglow observations near the equator, 19.1-409
Ciel nocturne et aurores de basse latitude en periode d'orage magnetique (*with* **Christophe, J. G.**), 19.7-563
Forbidden lines of OI and NI in the night airglow at the magnetic equator (*with others*), 19.10-585
Recombinaison nocturne de la region ionospheric F observees optiquement, 19.4-475
See also **Carlson, H. C.**, 19.10-580

Weiner, Melvin M.
Atmospheric turbulence in optical surveillance systems, 19.5-242

Weinman, J. A.
Albedo of a striated medium of isotropically scattering particles (*with* **Swarztrauber, P. N.**), 19.7-306
See also **Wright, W. B.**, 19.7-181

Weinreb, S.
Applications of on-line computers in radio astronomy, 19.9-31

Weinstein, Alan I.
Core profile computations related to the dynamics of severe local storms (*with* **Davis, L. G.**), 19.10-266

Weinstock, Jerome
Deducing the magnitudes of ionospheric irregularities from backscatter measurements, 19.4-457

Weir, R. A., *see* **Brown, R. R.**, 19.4-463; 19.5-433; 19.9-610

Weir, Westgarth, Ltd., London
Chamber geometry in multi-stage flash evaporator-separator studies, 19.4-639

Weisflog, Dietmar
Bestimmung der Wasserverteilung im Kapillarsaum mittels Segmentroehren [Determination of moisture distribution in the capillary fringe by means of segment tubes], 19.5-776

Weisman, B., *see* **Bruce, J. P.**, 19.7-368

Weiss, Bernard D.
Error analysis of the humidity-temperature measuring set, AN/TMQ-11, 19.9-7

Weiss, Martin
Marine geoscience: one federal program (*with* **Churgin, J.**), 19.6-53

Weiss, Morris
Infrared in meteorology, 19.2-90

Weiss, N. O.
Concentration of magnetic fields by convection in the Sun, 19.3-599

Weiss, R. F., *see* **Craig, H.**, 19.5-652

Weitzman, Donald O., *see* **Kinney, J. A. S.**, 19.3-636

Welander, Pierre
Wind-driven circulation in one- and two-layer oceans of variable depth, 19.12-726

Welch, W. J., *see* **Caton, W. M.**, 19.5-222

Welkie, G. W., *see* **Lovelace, J.**, 19.7-230

Weller, Gunter
Effect of absorbed solar radiation on the thermal diffusion in Antarctic fresh-water ice and sea ice, 19.4-715
Radiation penetration in Antarctic plateau and sea ice (*with* **Schwerdtfeger, P.**), 19.12-232

Wellman, F.
Data acquisition and handling at sea, 19.6-101

Wells, A. C., *see* **Megaw, W. J.**, 19.12-456

Wells, C. R.
Mathematical model for flexible response of uprated Saturn I to in-flight winds (*with* **Mitchell, H. P.**), 19.7-133

Wells, J. M.
Note on Project SCUD (*with* **Wells, M. A.**), 19.8-215

Wells, M. A., *see* **Wells, J. M.**, 19.8-215

Wells, William R., *see* **Williams, J. R.**, 19.11-634

Welsh, R. L., *see* **Chan, B. C.**, 19.12-691

Wendland, Wayne M., *see* **Bryson, R. A.**, 19.8-751; 19.9-11

Wendler, Gerd
Heat balance at the snow surface during the melting period (March, April 1966) near Fairbanks, Alaska, 19.6-420
See also **Hoinkes, H.**, 19.5-210

Wendt, I.
Fractionation of carbon isotopes and its temperature dependence in the system CO_2-gas-CO_2 in solution and HCO_3-CO_2 in solution, 19.12-703
Model experiments for ^{14}C water-age determinations (*with others*), 19.9-848

Wennekens, M. Pat
Pressure (depth) measurements as related to the measurements of gradients in the ocean, 19.10-317

Went, F. W.
  Dispersion and disposal of organic materials in the atmosphere, 19.6-221
Wentworth, R. C.
  Geometry of the magnetosphere, 19.3-521
Wenz, G. M.
  Oceanic ambient noise, 19.3-10
Wesanterae, J., *see* **Soederman, D.,** 19.1-285
West, Philip W., *see* **Thompson, A. H.,** 19.3-58
West, S. W., *see* **Baltz, E. H.,** 19.4-757
Westcott, B. S.
  Exact solutions for electromagnetic wave propagation in spherically stratified isotropic media, 19.10-222
Westcott, M. F., *see* **Parry, L. G.,** 19.5-464
Westinghouse Electric Corp. DECO Communications Dept., Leesburg, Va., *see* **Davidson, D.,** 19.1-368
Westlake, D. F.
  Light climate for plants in rivers, 19.2-199
Weston, David E.
  New calculation methods for echo-ranging ambiguity, 19.7-730
Westover, Douglas E.
  Exact ray-path solutions in a quasi-linear ionosphere, 19.5-429
Westphal, James A., *see* **Goetz, A. F. H.,** 19.6-590; **Wildey, R. L.,** 19.3-550
Westwater, E. R.
  Analysis of the correction of range errors due to atmospheric refraction by microwave radiometric techniques, 19.3-151
  Statistical information content of radiation measurements used in indirect sensing (*with* **Strand, O. N.**), 19.12-257
Wetherill, G. W.
  Collisions in the asteroid belt, 19.9-696
Wexler, Arnold, *see* **Greenspan, L.,** 19.8-128
Wexler, Harry, *see* **Scorer, R.,** 19.10-409
Wexler, Raymond
  Wind field observations by doppler radar in a New England snowstorm (*with* **Chmela, A. C.** and **Armstrong, G. M.**), 19.5-78
  See also **Browning, K. A.,** 19.3-60; **Donaldson, R. J., Jr.,** 19.5-199
Weyant, William S.
  Antarctic atmosphere: climatology of the surface environment, 19.6-34
  Interdisciplinary program in Antarctic meteorology, 19.4-57
  Interpretation of ozone measurements at U. S. Antarctic Stations, 1964, 19.12-158
  Meteorological studies on the Antarctic Plateau, 19.4-91
Weyl, Peter K.
  Role of the oceans in climatic change: a theory of the ice ages, 19.11-491
  See also **Connors, D. N.,** 19.9-760
Whalen, B. A.
  Direct measurement of auroral alpha particles (*with* **McDiarmid, I. B.**), 19.7-556
  Rocket measurements in proton aurora (*with* **McDiarmid, I. B.** and **Budzinski, E. E.**), 19.1-404
Wheeler, Fred
  Pakistan's giant dam, 19.7-811
Whipple, F. L.
  Meteoritic environment of the Moon, 19.1-494
  Studies in interplanetary particles (*with* **Southworth, R. B.** and **Nilsson, C. S.**), 19.1-493
  Tracking by the Smithsonian Astrophysical Observatory (*with* **Lindquist, C. A.**), 19.4-567
Whipple, William, Jr.
  Regional drought frequency analysis [closing discussion], 19.2-292
Whisler, F. D.
  Soil water diffusivity from horizontal infiltration (*with* **Klute, A.** and **Peters, D. B.**), 19.8-798
Whitaker, Ewen A.
  Further observations on the Ranger VII records, 19.6-588
Whitbread, R. E.
  On the introduction of turbulence into wind-tunnel investigations for the determination of wind-induced amplitudes of oscillation, 19.11-388
Whitby, Kenneth T., *see* **Clark, W. E.,** 19.2-135
White, Fred D., Jr.
  Radiative factor in the mean meridional circulation of the Antarctic atmosphere during the polar night (*with* **Bryson, R. A.**), 19.12-204
White, Gilbert F.
  Optimal flood damage management: retrospect and prospect, 19.12-817
White, I. G., *see* **Harris, P. G.,** 19.10-622
White, K. C.
  Wind tunnel testing to determine the environmental wind conditions for the proposed town centre development at Corby, 19.11-379
White, R. A.
  Vertical structure of temperature fluctuations within an oceanic thermocline, 19.4-658
White, R. K., *see* **Shen, C. S.,** 19.12-524
White, Robert M.
  Perspective on the present status of weather prediction, 19.7-176
  Program decisions in the environmental sciences, 19.1-33; 19.10-35
White, Sarah
  Soviet look at Venus, 19.11-649
  Soviets study the seas, 19.7-716
White, Timothy T., *see* **Higgins, P. W.,** 19.7-51
Whitehead, J. D.
  Errors in the measurement of virtual height using a phase ionosonde (*with* **Kantarizis, E.**), 19.5-138
Whiten, A. J.
  Remarkable meteorologist, 19.10-42
Whitham, G. B.
  Variational methods and applications to water waves, 19.3-658
Whitman, Warren C.
  Microclimatic gradients in mixed grass prairie (*with* **Wolters, G.**), 19.7-459
Whitmore, T. C.
  Study of light conditions in forests in Ecuador with some suggestions for further studies in tropical forests, 19.2-208

- **Whitney, Herbert E.**
  - Definition and use of scintillation index to describe ionospheric effects (*with* **Malik, C.**), 19.8-535
  - Proposed index for measuring ionospheric scintillation (*with* **Malik, C.**), 19.10-561
  - *See also* **Aarons, J.**, 19.6-474
- **Whittaker, R. H.**
  - Ecological implications of weather modification, 19.7-198
- **Whitten, R. C.**
  - Effect of the starfish high altitude nuclear explosion on the F2-region (*with* **Dalgarno, A.**), 19.3-402
- **Whittow, G. C.**
  - Climatic effects on physiological functions, 19.7-68
- **Whyte, R. O.**
  - Use of arid and semi-arid land, 19.11-505
- **Wiant, Harry V., Jr.**
  - Influence of moisture content on "soil respiration," 19.6-802
- **Wickersham, A. F., Jr.**
  - Identification of acoustic and gravity-wave modes associated with travelling ionospheric disturbances caused by nuclear explosions, 19.11-549
- **Wickins, Patricia E.**, *see* **Hunt, J. N.**, 19.2-159
- **Wickramasinghe, N. C.**, *see* **Hoyle, F.**, 19.7-664
- **Widdel, H. U.**, *see* **Rose, G.**, 19.5-419
- **Widger, William K., Jr.**
  - [Comments on] Murray J. Young: Variability in estimating total cloud cover from satellite pictures (*with* **Barnes, J. C.**), 19.4-332
- **Widing, K. G.**, *see* **Sandlin, G. D.**, 19.2-510
- **Wiebelt, J. A.**, *see* **Kneissl, G. J.**, 19.12-98
- **Wiebenga, W. A.**, *see* **Ellis, W. R.**, 19.9-868
- **Wiegel, Robert L.**, *see* **Mobarek, I. E.**, 19.10-758
- **Wiegman, E. J.**
  - Relationships between circulation patterns and satellite-observed cloud cover, Case 1, March 9-15, 1965 (*with* **Hadfield, R. G.** and **Serebreny, S. M.**), 19.7-383; Case 2, April 7-16, 1966, 19.7-384; Case 3, Feb. 21-March 6, 1966, 19.7-385
- **Wielebinski, R.**, *see* **Yates, K. W.**, 19.5-544
- **Wiens, John A.**
  - Instrument for measuring light intensities in dense vegetation, 19.6-299
- **Wieringa, J.**
  - Evaluation and design of wind vanes, 19.3-88
- **Wiersma, Frank**
  - Nonevaporative convective heat transfer from the surface of a bovine (*with* **Nelson, G. L.**), 19.9-388
- **Wiggert, Victor**, *see* **Simpson, J. (S.)**, 19.11-249
- **Wiggins, W. L.**
  - Response of the Canadian three cup airport and anemometer (U2A) in gusty winds, 19.6-148
- **Wiin-Nielsen, A.**
  - Meteorology at the University of Michigan, 19.3-20
  - On baroclinic instability as a function of the vertical profile of the zonal wind, 19.3-182
  - On the annual variation and spectral distribution of atmospheric energy, 19.6-239
  - On the influence of the mean meridional circulation on the zonal flow (*with* **Vernekar, A. D.**), 19.3-183
- **Wilcox, James R.**
  - Sweetgum seed stratification requirements related to winter climate at seed source, 19.7-75
- **Wilcox, John M.**
  - Solar system magnetic fields and plasmas, 19.3-600
  - *See also* **Ness, N. F.**, 19.12-566; **Schatten, K. H.**, 19.5-505
- **Wilcox, L. V.**
  - Quality of irrigation water (*with* **Durum, W. H.**), 19.7-860
- **Wild, J. P.**
  - 80 MHz photography of the eruption of a solar prominence (*with* **Sheridan, K. V.** and **Kai, K.**), 19.12-646
  - Radio spectrographs for observations of the Sun, 19.9-31
- **Wildey, Robert L.**
  - On the treatment of radiative transfer in the lunar diurnal heat flow, 19.3-549
  - Reconnaissance of infrared emission from the lunar nighttime surface (*with* **Murray, B. C.** and **Westphal, J. A.**), 19.3-550
- **Wildman, P. J. L.**
  - Ariel 3 satellite, 19.6-139
- **Wildt, Rupert**
  - Radiative equilibrium in an atmosphere with constant Einstein absorption coefficient (*with* **Schwartz, S.**), 19.9-358
- **Wiley, William H.**, *see* **Kish, A. J.**, 19.1-72
- **Wilgat, Tadeusz**
  - Odleglosci od wody jako wskaznik gestosci sieci wodnej [Distance from water as an index of the density of a hydrographic system], 19.6-765
- **Wilhelm, Klaus**
  - Registrierung und Analyse erdmagnetischer Pulsationen der Polarlichtzone, sowie ein Vergleich mit Bremsstrahlungsmessungen [Recording and analysis of geomagnetic pulsations in the auroral zone and comparison with measurements of bremsstrahlung], 19.3-485
- **Wilhelm, N.**
  - Aspects concerning the design of a noctilucent cloud particle collecting experiment (*with* **Witt, G.**), 19.8-478
- **Wilk, Kenneth E.**
  - Weather radar data system at the National Severe Storms Laboratory (*with others*), 19.10-93
- **Wilkerson, John C.**
  - Gulf Stream from space, 19.10-739
  - Meanders in the north wall of the Gulf Stream, 19.4-669
  - Positioning of the Gulf Stream by means of aerial infrared radiation thermometer measurements, 19.9-784
  - Positioning the Gulf Stream with airborne radiation thermometer data, 19.10-747
- **Wilkerson, John W.**, *see* **McFadden, J. D.**, 19.5-683
- **Wilkins, Eugene M.**
  - Energy dissipated by atmospheric eddies in the wake of islands, 19.4-207
  - Threshold conditions for vortex-stabilized

electrical discharges in the atmosphere (*with* **McConnell, L. T.**), 19.8-489
See also **Keeling, C. D.**, 19.12-142
Wilkinson, I., *see* **Lowes, F. J.**, 19.3-453
Wilkinson, M. C., *see* **Curtis, S. B.**, 19.8-555
Willett, Hurd C.
Remarks on the seasonal changes of temperature and of ozone in the Arctic and the Antarctic stratospheres, 19.9-405
Williams, Ben H.
Synoptic analyses of the upper stratospheric circulation during the late winter storm period of 1966, 19.6-251
Williams, C. M.
Livestock production in cold climates, 19.7-69
Williams, Carol
Rates of secular variation in the northeast Atlantic, 19.4-511
Williams, D., *see* **Davies, R. D.**, 19.3-540
Williams, D. R.
Balloon materials (*with* **Nelson, J. R.**), 19.6-127
Williams, Dansy T.
Local kinematic method for computing vertical velocity from horizontal winds aloft data at a single station, 19.10-351
See also **Taylor, D. F.**, 19.9-108
Williams, David H.
Weather observations at the Northeastern Branch Station, 1905-1965, 19.1-75
Williams, G. D. V.
Comparison of black porous double-disc and Bellani plate atmometers, 19.3-89
See also **Brown, D. M.**, 19.4-378
Williams, G. F., Jr., *see* **Singer, S. F.**, 19.10-415
Williams, G. P.
Adhesion of frazil ice to underwater structures, 19.8-448
See also **Davies, D. R.**, 19.3-172
Williams, H. P.
Range of l.f. transmissions using digital modulation (*with* **Ince, A. N.**), 19.2-64
Williams, James R.
Correlation study of lunar radii obtained from photographic and lunar gravitational field data (*with* **Wells, W. R.**), 19.11-634
Investigation of tethered station keeping (*with* **Adams, J. J.**), 19.5-44
Williams, John A.
Model studies of long wave amplification by circular islands and submarine seamounts (*with* **Kartha, K. K.**), 19.5-695
Williams, Merlin C., *see* **Hannaford, J. F.**, 19.7-404
Williams, Owen W.
Surveying the Earth by satellite, 19.5-537
Williams, P. J.
Experimental determination of apparent specific heats of frozen soils, 19.8-799
Nature of freezing soil and its field behaviour, 19.10-315
Pore pressures at a penetrating frost line and their prediction, 19.9-178
Replacement of water by air in soil pores, Oslo, 19.9-875
Suction and its effects in unfrozen water of frozen soils, 19.8-366
Unfrozen water content of frozen soils and soil moisture suction, 19.8-800
Unfrozen water in frozen soils: pore size, freezing temperature, pressure relationships, 19.8-367
Williams, P. M.
Stable carbon isotopes in the dissolved organic matter of the sea, 19.11-720
Williams, Philip, Jr.
Station descriptions of local effects on synoptic weather patterns, 19.8-297
Williams, R. T.
Atmospheric frontogenesis: a numerical experiment, 19.2-183
Quasi-geostrophic frontogenesis (*with* **Plotkin, J.**), 19.7-297
Williams, S. D.
Thermal structure of the troposphere over Bangalore, 19.6-314
Williams, Walter J., *see* **Murcray, D. G.**, 19.5-100
Willis, D. M.
Motion of a charged particle in a twisted magnetic flux tube, 19.12-549
Willman, J. F.
Accuracy of satellite doppler data for ionospheric study, navigation, and geodesy (*with* **Tucker, A. J.**), 19.4-568
Willmarth, W. W.
Structure of turbulence in the boundary layer near the wall (*with* **Tu, B. J.**), 19.10-352
Willmore, A. P.
Topside F-region and magnetosphere, 19.9-30
Wilson, A. T., *see* **Hendy, C. H.**, 19.12-436
Wilson, A. W.
Ozone production in the stratosphere, 19.8-268
Wilson, Charles R.
Infrasonic pressure waves from the aurora: a shock wave model, 19.4-469
Study of geomagnetic micropulsations (*with* **Annexstad, J. O.**), 19.3-486
See also **Annexstad, J. O.**, 19.7-598; 19.11-573
Wilson, J. G.
Current problems in cosmic ray physics, 19.4-502
Wilson, J. Tuzo
Are the structures of the Caribbean and Scotia Arc regions analogous to ice rafting? 19.12-767
Wilson, J. W., *see* **Boer, J. H.**, 19.10-152
Wilson, J. W. G.
New technique for measuring electron temperature in the ionosphere (*with* **Garside, G.**), 19.7-106
Wilson, L., *see* **Bowell, E. L. G.**, 19.9-689
Wilson, P. R.
Spectral-line formation in inhomogeneous atmospheres, 19.8-691
Wilson, R.
Solar corona, 19.3-593
See also **Jones, B. B.**, 19.12-652
Wilson, R. L.
Polarity inversions of the Earth's magnetic field, 19.3-454
Wilson, T. R. S., *see* **Murray, C. N.**, 19.12-706
Wilson, Wilbor O.
Environmental temperature and feed-regulating mechanisms, 19.7-70

Winch, Denis E.
Fourth order geomagnetic multipole: the sedecimupole, 19.2-451
Geomagnetic multipoles, 1965.0 (*with* **Slaucitajs, L.**), 19.3-450
See also **Malin, S. R. C.**, 19.11-569
Winckler, J. R., *see* **Arnoldy, R. L.**, 19.5-592; 19.7-564
Windle, D. W., *see* **Kendall, P. C.**, 19.12-493
Windom, H.
Talc in atmospheric dusts (*with* **Griffin, J.** and **Goldberg, E. D.**), 19.6-222
Winge, C. Richard, Jr.
Motion of charged particles in a spiral field (*with* **Coleman, P. J., Jr.**), 19.4-536
Winkler, Erhart
Wald und Waldnutzung in Tunesien [Forest and forest utilization in Tunisia], 19.6-76
Winkler, Robert L.
Evaluation of subjective precipitation probability forecasts (*with* **Murphy, A. H.**), 19.12-136
Winn, P. N.
Effect of humidity on growth and feed conversion of broiler chickens (*with* **Godfrey, E. F.**), 19.3-41
Winninghoff, Frank, *see* **Bonner, W. D.**, 19.5-107
Winston, Jay S.
Atlas of world maps of long-wave radiation and albedo for seasons and months based on measurements from Tiros IV and Tiros VII (*with* **Taylor, V. R.**), 19.4-247
See also **Fritz, S.**, 19.3-81
Winter, E. J.
New pattern hook-gauge for evaporation tanks (*with* **Moore, R. A.**), 19.9-183
Wirth, Endre
Felhofizikai szimpozium Szofiaban [Cloud physics symposium in Sofia], 19.12-336
Wisconsin. Univ. Dept. of Mathematics, *see* **Meyer, R. E.**, 19.5-693
Wisconsin. Univ., Madison. Dept. of Meteorology
Studies in atmospheric energetics based on aerospace probings, 19.7-15
See also **Bryson, R. A.**, 19.9-11
Wisconsin. Univ., Milwaukee. Center for Great Lakes Studies, *see* **Mortimer, C. H.**, 19.8-764
Wise, William
Killer smog: the world's worst air pollution disaster, 19.9-6
Wiser, Edward H.
Preliminary study of the effect of supplemental irrigation on the hydrology of a watershed, 19.5-769
Stochastic models in hydrology, 19.10-457
Wishart, E. R.
Electrostatic charging of aerial wires during Antarctic blizzards (*with* **Radok, U.**), 19.12-458
Wishart, S., *see* **Budd, W.**, 19.11-776
Wiszniewski, Waclaw
Kilka slow o Atlasie Klimatycznym Polski [Brief note on the Climatic Atlas of Poland], 19.11-479
Withbroe, George L.
Center-to-limb behavior of solar molecular lines, 19.7-703
Theoretical profiles for the solar auto-ionization lines of Al I, 19.3-604
Witherspoon, P. A., *see* **Freeze, R. A.**, 19.11-814
Witt, G.
1967 noctilucent cloud experiment of the Institute of Meteorology of the University of Stockholm, 19.9-563
Optical characteristics of mesospheric aerosol distributions in relation to noctilucent clouds, 19.12-452
Optical properties of mesospheric aerosol distributions in relation to noctilucent clouds, 19.8-479
See also **Wilhelm, N.**, 19.8-478
Witt, James F.
Meteorology at Lakeland High School, 19.5-28
Witte, K., *see* **Landers, J. N.**, 19.7-200
Woehr, Fritz
Bisherige Ergebnisse, Bewertung und weitere Aussichten von Abflussvorhersagen [Past results, value and future prospects of discharge forecasting], 19.3-126
Woerner, Heinrich
Synoptische Strahlungskarten fuer Europa beispeziellen Wetterlagen [Synoptic radiation charts for Europe for special weather conditions], 19.6-290
Zur Frage der Automatisierbarkeit der Bewoelkungsangaben durch Verwendung von Strahlungsgroessen [Feasibility of automation of cloudiness data by using radiation amounts], 19.1-69
Wogman, N. A.
Cosmic ray-produced radionuclides as tracers of atmospheric precipitation processes (*with others*), 19.12-353
Wojciechowski, T. A., *see* **Twomey, S.**, 19.9-487
Wolf, P., *see* **Shahrokhi, F.**, 19.8-340
Wolf, R. A.
Solar-wind flow behind the Moon, 19.12-556
Wolfe, J. H.
Preliminary observations of a geomagnetospheric wake at 1000 Earth radii (*with others*), 19.2-469
Wolfendale, A. W., *see* **Osborne, J. L.**, 19.11-557
Wolff, Charles
Effect of the Earth's radiation belts on an optical system, 19.2-472
Optical environment about the OGO-III satellite, 19.3-365
Wolff, Paul M.
Ambient thermal noise in the sea and the instrumental and observer errors and biases of sea temperature measurements (*with* **Stevenson, N. M.**), 19.3-653
Analyses and forecasting of sea-surface temperature (SST) (*with* **Carstensen, L. P.** and **Laevastu, T. L.**), 19.8-187
FNWF sound map program (*with* **Tatro, P. R.** and **Megehee, L. D., Jr.**), 19.9-763
Numerical environmental prediction in the U. S. Navy, 19.7-174

Numerical synoptic analysis of sea surface temperature, 19.11-193
Oceanographic data collection, 19.9-735
Wollin, Goesta, *see* **Ericson, D. B.,** 19.9-42
Wolters, Gale, *see* **Whitman, W. C.,** 19.7-459
Wong, M. S., *see* **Videberg, J.,** 19.2-386
Wood, I. M. W.
Effect of temperature at early flowering on the growth and development of peanuts, 19.10-300
Wood, Janet, *see* **Parungo, F. P.,** 19.5-288
Wood, Lawrence C.
Review of digital pass filtering, 19.9-73
Woodcock, Alfred H.
Deep layer of sediments in Alpine Lake in tropical mid-Pacific (*with* **Rubin, M.** and **Duce, R. A.**), 19.8-766
Woodley, William Lee
Aircraft observations in the immediate vicinity of two waterspouts (*with others*), 19.3-197
Examination of an instance of heavy, non-frontal wintertime convective rain in the southeastern United States, 19.10-94
Woodruff, Neil P., *see* **Mech, S. J.,** 19.7-349
Woodrum, Arthur
Atmospheric tides in the height region 90 to 120 kilometers (*with* **Justus, C. G.**), 19.6-350
Woods, John D.
Investigation of some physical processes associated with the vertical flow of heat through the upper ocean, 19.10-727
CAT under water, 19.12-716
Woods Hole, Mass. Oceanographic Institution
Publications of the Woods Hole Oceanographic Institution–U. S. Geological Survey Program for the Atlantic continental margin, 1963-1967, 19.10-709
See also **Bumpus, K.,** 19.5-618, 680; **Fofonoff, N. P.,** 19.12-677, 721
Woodward, Benjamin W.
Detection of surface waves at a plane air-water interface (*with* **Bryant, H. C.**), 19.6-671
Woodworth, W. C., *see* **Selfridge, S. W.,** 19.10-725; **Stevenson, N. M.,** 19.10-84
Woodyer, K. D.
Bankfull frequency in rivers, 19.9-830
See also **McGilchrist, C. A.,** 19.7-848
Woolf, H. M., *see* **Miller, A. J.,** 19.10-310
Wootton, L. R.
Oscillations of model circular stacks due to vortex shedding at Reynolds numbers in the range 10^5 to 3.10^6, 19.11-389
Workman, E. J.
Production of thunderstorm electricity, 19.1-343
World Data Center A [for] Airglow, Ionosphere, Aurora, Cosmic Rays, Geomagnetism [and] Solar Activity, ESSA, Boulder, Colo.
Catalog of Data in World Data Center A: data received by WDC-A, July 1, 1957-June 30, 1967, 19.2-82
World Data Center A [for] Geomagnetism, Seismology, Gravity and Tsunami, at Rockville, Md.
Catalog of Data in World Data Center A. received July 1, 1957-June 30, 1967, 19.9-52
World Data Center A [for] Meteorology, Asheville, North Carolina
Data Report [on] Meteorological Rocket Network Firings, 4(7), July 1967, 19.10-98
World Data Center A [for] Oceanography, Wash., D. C.
Semi-annual report of oceanographic data exchange through June 30, 1967, 19.3-608
Special catalogue of data from the International Indian Ocean Expedition, 19.3-619
World Meteorological Organization
Activities and plans of the World Meteorological Centres, 19.2-29
Global data-processing systems and meteorological service to shipping, 19.1-44
Speed-up of facsimile transmission (Vestigial Sideband Transmission System), 19.1-115
World Weather Watch: the plan and implementation programme as approved by the Fifth World Meteorological Congress, Geneva, April 1967, and the Nineteenth Session of the WMO Executive Committee, Geneva, May 1967, 19.3-13
See also **International Symposium on Nuctilucent Clouds, Tallin, 1966, 19.7-21; Study Conference on Global Atmospheric Research Programme (GARP), Stockholm, June-July 1967, 19.7-16; Symposium on Polar Meteorology, Geneva, Sept. 1966, 19.12-14; WMO Technical Conference on Automatic Weather Stations, Geneva, 1966, 19.4-7**
WMO. Commission for Hydrometeorology
Instruments and measurements in hydrometeorology. Lectures given at the 2nd Session of the Commission, Warsaw, Sept. 29-Oct. 15, 1964, 19.1-106
WMO. Commission for Instruments and Methods of Observations
CIMO Working Group on Radiosonde and Radiowind Measurements: Report on first session in Geneva on May 22-26, 1967, 19.11-150
WMO. Regional Association I (Africa)
Resolutions and recommendations adopted since the 4th session, during 1965 and 1966, 19.5-23
WMO. Regional Association III (South America)
Abridged Final Report of the Fourth Session, Geneva, Nov. 7-19, 1966, 19.9-53
WMO Technical Conference on Automatic Weather Stations, Geneva, 1966
Automatic weather stations: Proceedings of the . . . Conference, 19.4-7
Worthington, L. V.
Genesis and evolution of water masses, 19.11-730
Worthley, L. E.
Weather phenomena in Hawaii, Pt. 1-2 (*with* **Lee, C. B. H.**), 19.4-382
Worzel, J. Lamar, *see* **Gerard, R. D.,** 19.4-325
Wright, A. G., *see* **Schoute-Vanneck, C. A.,** 19.8-493
Wright, C. S., *see* **Jacobs, J. A.,** 19.8-578; 19.12-533
Wright, J. G.
Forest-fire hazard research as developed and conducted at the Petawawa Forest Experiment Station, 19.10-60

Wright, J. J., *see* **Burrell, M. O.,** 19.10-52

Wright, J. L.

Energy budget at the Earth's surface: comparison of momentum and energy balance methods of computing vertical transfer within a crop (*with* **Brown, K. W.**), 19.3-42

Wright, J. W.

Analysis of ionograms for electron density profiles (*with* **Smith, G. H.**) (*eds.*), 19.4-11

Interpretation of ionospheric radio drift measurements, Pt. 1, 19.12-513

Ionospheric electron-density profiles with continuous gradients and underlying ionization corrections, Pt. 3, 19.2-388

Review of current methods for obtaining electron-density profiles from ionograms: introductory paper (*with* **Smith, G. H.**), 19.2-389

Sporadic E as an indicator of wind structure in the lower ionosphere and the influx of meteors, 19.3-403

See also **Laird, A. R.,** 19.2-371; **Paul, A. K.,** 19.5-418; **Violette, E. J.,** 19.6-158

Wright, John B.

BALLUTE retardation device for meteorological rocketsondes (*with* **Graham, J. J., Jr.**), 19.5-103

Wright, John C.

Heat budget studies on the Madison River, Yellowstone National Park (*with* **Horrall, R. M.**), 19.6-759

Wright, P. B.

Changes in 200 mb circulation patterns related to the development of the Indian southwest monsoon, 19.6-252

Widespread biennial oscillation in the troposphere, 19.9-269

Wright, R. W. H., *see* **Kent, G. S.,** 19.12-494

Wright, W. B.

Measurement of the clearance of a radiation fog (*with* **Weinman, J. A.**), 19.7-181

Wuerch, Donald E.

Cross sectional microdensitometer evaluation of Nimbus I high resolution infrared (HRIR) data, 19.1-96

Wulfing, D. A., *see* **Hildebrand, V. E.,** 19.11-164

Wulfsberg, K. N., *see* **Kalaghan, P. M.,** 19.1-466

Wundt, Walter

Der Temperaturgang an mitteleuropaeischen Fluessen [The course of temperature in Central-European rivers], 19.6-760

Wunsch, Carl

Long-period tides, 19.7-756

Wurtele, M. G., *see* **Reynolds, R. D.,** 19.9-469

Wurzel, P., *see* **Ward, P. R. B.,** 19.12-815

Wyatt, Bruce

Hydrographic data from Oregon waters 1962 through 1964 (*with* **Gilbert, W. E.**), 19.3-612

Surface temperature and salinity observations at Pacific Northwest Shore Stations for 1965 and 1966 (*with* **Gilbert, W.**), 19.8-706

See also **Gilbert, W.,** 19.8-705

Wyatt, Philip J., *see* **Sachs, D. L.,** 19.7-84

Wyatt, T. A.

Effect of wind on slender long-span bridges, 19.12-304

Problems of wind loading from the viewpoint of the design engineer, 19.12-305

Wycherley, P. R.

Rainfall probability tables for Malaysia, 19.5-304

Wyngaard, J. C.

Sharp cutoff spectral differentiator, 19.8-148

Wynne, R., *see* **Brown, G. M.,** 19.4-409, 410

Wyrtki, Klaus

Circulation and water masses in the eastern equatorial Pacific Ocean, 19.1-561

Oceanographic observations during 1965-1967 in the Hawaiian Archipelago (*with others*), 19.4-605

Oceanographic observations during the Line Islands Expedition, Feb.-March 1967, 19.2-522

X

Xanthakis, John N.

Different indices of solar activity and the time of rise, 19.12-634

Probable values of the time of rise for the forthcoming sunspot cycles, 19.2-506

See also **NATO Advanced Study Institute, Lagonissi, Athens, Sept. 1965,** 19.10-17

Y

Yaalon, D. H.

Chemical composition of dew and dry fallout in Jerusalem, Israel (*with* **Ganor, E.**), 19.8-420

Yabuki, K.

Effect of carbon dioxide concentration of atmosphere on growth of leaf beet with various plant densities (*with others*), 19.2-133

Study on the airflow over mountain (*with* **Suzuki, S.**), 19.7-346

Yacob, A.

Indian equatorial electrojet in IGY and IQSY, 19.4-458

Yacowar, N.

Objective temperature forecasting, 19.12-121

Yamagata, Noboru

Report of the Japanese summer parties in dry valleys, Victoria Land, 1963-1965, Pt. 5 (*with* **Torii, T.** and **Murata, S.**), 19.7-787

Report of the Japanese summer parties in Dry Valleys, Victoria Land, 1963-1965, Pt. 7 (*with others*), 19.9-821

Yamaguchi, Takashi

Amplitude probability distribution of the atmospheric radio noise at source (*with* **Nagatani, M.**), 19.11-523

Yamamoto, Katsumi, *see* **Ohwada, M.,** 19.5-654

Yamamoto, Ryozaburo

Hemispheric change of the stratospheric temperature at middle latitudes in winter (*with* **Kawahira, K.**), 19.3-218

Yamanaka, Chiyoe, *see* **Sakagami, Y.,** 19.3-516

Yamashita, Takashi

Observation of radio source W49 at 9.4 GHz (*with* **Watanabe, T.**), 19.12-574

Yanai, M.

Stratospheric wave disturbances propagating over

the equatorial Pacific (*with* **Maruyama, T.**), 19.2-150
See also **Maruyama, T.**, 19.2-165
Yang, Chien Chu
Study of the mean interdiurnal pressure and temperature variability at the surface and of the mean interdiurnal altitude and temperature variability at the 300, 500 and 700-mb levels over China [Transl. from Chinese], 19.9-396
Yaniv, A.
Preliminary results of a micrometeoroid collection experiment in the LUSTER program (*with* **Shafrir, U.**), 19.7-677
Yarnall, J. R., *see* **Clark, J. G.**, 19.5-644
Yasui, Masashi
Geomagnetic and bathymetric study of the Okhotsk Sea, Pt. 1 (*with* **Hashimoto, Y.** and **Uyeda, S.**), 19.9-741
Terrestrial heat flow in the Okhotsk Sea, Pt. 1 (*with* **Kishii, T.** and **Sudo, K.**), 19.9-741
Yasuoka, T.
Hydrography in the Okhotsk Sea, Pt. 1, 19.9-741
Yates, Frank
Discussion of reports on cloud seeding experiments, 19.7-216
Yates, K. W.
Interpretation of the distribution of metre wavelength radio emission, 19.11-621
Survey of the southern sky at 85 MHz (*with* **Wielebinski, R.** and **Landecker, T. L.**), 19.5-544
Yeager, Ernest, *see* **Reed, A. H.**, 19.10-495
Yeh, Hsu Chi, *see* **Liu, B. Y. H.**, 19.9-254
Yeh, K. C.
Diffraction of random waves in a homogeneous anisotropic medium, 19.8-536
See also **Narayana Rao, N.**, 19.7-525
Yen, James T.
Kinetic theory of partially ionized gases, 19.8-537
Yen, K. T.
Role of intermittency in free turbulent flows, 19.7-262
Yen, Yin Chao
Analytical and experimental study of a melting problem with natural convection, 19.8-286
See also **Fan, S. S. T.**, 19.12-400
Yergen, Walter E.
Guide to the formatting of oceanographic data, 19.12-665
Rapid access tape format for oceanographic station data, 19.2-518
Yesavage, Victor F.
Enthalpies of fluids at elevated pressures and low temperatures (*with others*), 19.8-287
Yevdjevich, Vujica M.
Evaluation of weather modification as expressed in streamflow response, 19.7-199
Misconceptions in hydrology and their consequences, 19.7-782
Objective approach to definitions and investigations of continental hydrologic droughts, 19.3-297
Objective definitions of hydrologic droughts, 19.11-459
Stochastic problems in design of reservoirs, 19.12-807
See also **Jeng, R. I.**, 19.5-749; **Julian, R. W.**, 19.3-352
Yip, W. K.
Theory of solar type IV emission on centimetre and decimetre wavelengths, 19.1-469
Yngvesson, K. O.
Radar Thomson scatter studies of photoelectrons in the ionosphere and Landau damping (*with* **Perkins, F. W.**), 19.4-459
Yoder, John R., *see* **Rehnberg, J. D.**, 19.1-480
Yoerger, R. R., *see* **Strohman, R. D.**, 19.8-398
Yoh, Philip
Diurnal variation of the electron concentration in the lower magnetosphere as detected by lunar radar experiment, 19.4-537
Short-duration, narrow-band solar bursts at 38 Mc/s (*with* **James, J. C.**), 19.1-470
Yokosi, Shoitiro
Structure of river turbulence, 19.6-764
Yonezawa, T.
Consideration of the effective recombination coefficient in the E-region of the ionosphere, 19.7-540
Report of Japanese rocket observation of temperatures and winds in the lower part of the high atmosphere in relation to the new CIRA model atmosphere, 19.6-118
Yong, Raymond N.
On the relationship between partial soil freezing and surface forces, 19.11-376
Yorath, J. V.
'Icelandomet', 19.1-76
York, D., *see* **Baksi, A. K.**, 19.5-477
Yoshida, Kikuji
Assessment of the transport of momentum in the Australian sector of the Southern Hemisphere, 19.4-220
On the transport of momentum in the Australian sector, 19.3-158
Yoshida, Kozo
Circulation in the eastern tropical oceans with special references to upwelling and undercurrents, 19.1-557
Subtropical countercurrent, Pt. 2 (*with* **Kidokoro, T.**), 19.9-458
Yoshida, S.
Ring current effects on cosmic rays (*with* **Akasofu, S. I.** and **Kendall, P. C.**), 19.10-598
Yoshida, Shizuo
Effect of thawing rate on frost damage in plants, Pt. 1 (*with* **Sakai, A.**), 19.7-325
Frost-hardening process of woody plant, Pt. 12 (*with* **Sakai, A.**), 19.7-468
See also **Sakai, A.**, 19.8-352
Yoshihara, Hideo
Sea-air interaction: a simplified model, 19.12-734
Yoshikawa, K.
Fallout particles in the ground-level air from the Chinese nuclear explosion of December 28, 1966 (*with others*), 19.11-291
Yoshino, Masatoshi M.
Maps of the occurrence frequencies of fronts in

the rainy season in early summer over East Asia, 19.1-197
Problems in local and micro-climatology in relation to agriculture in Japan, 19.1-55
Yosida, Takekatu, *see* **Higuchi, K.,** 19.12-382
Yosida, Zyungo
Surface structure of ice crystal and its equilibrium form, 19.12-388
See also **Ushiki, H.,** 19.12-334
Young, C., *see* **Chaney, L. W.,** 19.2-16; **Drayson, S. R.,** 19.8-336
Young, E. C. M., *see* **Osborne, J. L.,** 19.11-557
Young, G. K.
Reservoir management: the tradeoff between low flow regulation and flood control, 19.11-796
Young, J. M.
Detection of Lyman-β and helium resonance radiation in the night sky (*with others*), 19.10-209
Young, John A.
Comparative properties of some time differencing schemes for linear and nonlinear oscillations, 19.10-164
Young, L. G., *see* **Warburton, J. A.,** 19.9-502, 503
Young, Margaret, *see* **Bramley, E. N.,** 19.6-479
Young, Murray J.
Variability in estimating total cloud cover from satellite pictures [Comments by W. K. Widger, Jr. and J. C. Barnes], 19.4-332
Young, R. L., *see* **Finn, G. D.,** 19.7-705
Young, Robert A.
High resolution ultraviolet spectral study of the aurora in association with satellite experiment, 19.1-402
Yu, Erl Sheen, *see* **Othmer, D. F.,** 19.7-363
Yu, K., *see* **Klein, M. M.,** 19.7-342
Yu, Shaw Lei, *see* **Brutsaert, W.,** 19.12-91

Z

Zaat, J. C. A.; *see* **De Wiljes, H. G.,** 19.9-94
Zabolotskaia, T. N.
O sviazi mezhdu radiolokatsionnoi otrazhaemost'iu i intensivnost'iu dozhdia [Relation between radar reflectivity and the intensity of rain] (*with* **Muchnik, V. M.**), 19.2-74
Zabransky, J., *see* **Lettau, H.,** 19.12-285
Zachek, S. I., *see* **Bespalov, D. P.,** 19.9-170
Zafar, G. F.
New method of soil moisture determination (calcium carbide method) (*with* **Ahmad, I.**), 19.2-612
Zaguliaeva, V. A.
Lunno-sutochnye variatsii magnitnogo polia Zemli v Ibadane i ikh sviaz' s ionosfernymi prilivami [Lunar diurnal variations of the magnetic field of the Earth in Ibadan and their relationship to ionospheric tides] (*with others*) [and Eng. transl.], 19.8-538
Zahner, Robert
Refining correlations of water deficits and radial growth in young red pine (*with* **Donnelly, J. R.**), 19.1-302
Zaichikov, B. P.
Issledovanie kharakteristik termosoprotivlenii kak datchikov temperatury radiozonda [Testing the characteristics of thermistors as radiosonde temperature sensors], 19.9-179
Termometr soprotivleniia povyshennoi tochnosti dlia poverki radiozondov [Resistance thermometers of high accuracy for radiosonde calibration], 19.9-171
Zaitsev, A. N.
Poliarnye vozmushcheniia i sistema tokov po dannym zimnego sezona MGG [Polar disturbances and the current system based on data of the IGY winter season] (*with* **Fel'dshtein, Ia. I.**) [and Eng. transl.], 19.4-460
See also **Fel'dshtein, Ia. I.,** 19.10-611
Zaitsev, A. S.
Izmenenie skorosti vetra nad vodoemami razlichnykh glubin i razmerov [Variation of wind velocity above reservoirs of various depths and sizes], 19.1-259
Izmenenie skorosti vetra pod vliianiem ogranichennykh vodoemov [Variation of wind velocity due to the influence of limited reservoirs] (*with* **Timofeev, M. P.**), 19.1-258
Zaitsev, Iu. I., *see* **Kroshkin, M. G.,** 19.5-115
Zaitsev, V. V., *see* **Zhelezniakov, V. V.,** 19.12-583
Zaitseva, E. A.
Vodnyi balans Ivan'kovskogo vodokhranilishcha [Water balance of Ivankovo Reservoir], 19.6-790
Zak, J. Allen
Estimation of stratospheric flow from satellite 15-micron radiation (*with* **Panofsky, H. A.**), 19.3-246
Zakablukovskii, A. P., *see* **Tarbeev, Iu. V.,** 19.9-442
Zakharov, V. F.
Izmeneniia ledovitosti moria Laptevykh v sviazi s kolebaniiami baricheskogo polia v Arktike [Variations of ice conditions in the Laptev Sea in connection with oscillations of the pressure field in the Arctic], 19.4-716
Nekotorye osobennosti raschetnogo dreifa l'da v more Laptevykh [Some characteristics of calculated ice drift in the Laptev Sea], 19.4-702
See also **Bulatov, L. V.,** 19.2-185
Zakharova, N. M.
Estestvennye sinopticheskie sezony oseni s defitsitom osadkov v chernozemnoi zone Evropeiskoi territorii SSSR [Natural synoptic fall seasons with a precipitation deficit in the chernozem zone of the European U.S.S.R.], 19.1-303
Zakharovskaia, N. N., *see* **Zhelezniakov, G. V.,** 19.3-702
Zalikhanov, M. Ch.
Analiz dendrokhronologicheskikh dannykh dlia prognoza lavinnoi opasnosti [Analysis of dendochronological data forecasting avalanche danger], 19.10-446
Laviny Verkhnei Balkarii (doliny rek Cherek-Balkarskii, Rtsyvashki, Psygansu i Khaznidon) [Avalanches in Upper Balkar (valleys of the

Cherek-Balkar, Rtsyvashki, Psygansu and Khaznidon Rivers] (*with others*), 19.11-471
Metodika issledovaniia i opisaniia lavin v gorakh KB ASSR [Methods for studying and describing avalanches in the mountains of the Kabardino-Balkar A.S.S.R], 19.10-443
Zakonomernosti v raspredelenii snezhnogo pokrova v gorakh Kabardino-Balkarii [Regularities of snow cover distribution in the mountains of Kabardino-Balkariia], 19.10-441
See also **Chitadze, V. S.**, 19.10-442; **Nal'chik, U.S.S.R. Vysokogornyi Geofizicheskii Institut**, 19.12-11

Zamanmurad, Kh.
New method for determining soil moisture tension isotherms for the wetting branch (*with* **Frid, A. S.**) [Transl. from Russ.], 19.11-810

Zamanov, Kh. D.
Raschet velichiny podzemnogo stoka dlia malykh vysokogornykh zamknutykh vodoemov metodom vodnogo balansa [Calculating the amount of subsurface flow for small closed alpine lakes by the water balance method], 19.3-694

Zamorskii, A. D.
Analiz oblachnogo vikhria, zasniatogo meteorologicheskim sputnikom Zemli 28-29 avgusta 1963 g. nad Zapadnoi Sibir'iu i Kazakhstanom [Analysis of a cloud vortex photographed by a meteorological satellite of the Earth during Aug. 28-29, 1963 over Western Siberia and Kazakhstan] (*with* **Minina, L. S.**), 19.8-300

Zancla, Antonio
Aspetti sinottici e statistici dell'indice di rifrazione radioelettrico dell'atmosfera, 19.9-293
See also **Fedele, D.**, 19.11-275

Zander, Rodolphe
Ammonia reflectance measurements, 19.3-556
Laboratory reflection measurements, 19.3-558
Water vapor in the stratosphere (*with* **Bottema, M.**), 19.4-313

Zanetti, R.
Trasparenza dell'aria e radiazione atmosferica discendente [Atmospheric transparency and downward radiation], 19.5-217

Zanker, Karl
Die internationale Konferenz "Wasser fuer den Frieden" 23. bis 31, Mai 1967 in Washington [International Conference, Water for Freedom May 23-31, 1967, Washington], 19.9-812

Zapol'skii, I. A., *see* **Myshinskii, S. A.**, 19.1-600; **Shpak, I. S.**, 19.2-613

Zaslavskaia, N. I., *see* **Kirova, O. A.**, 19.11-660

Zaslavsky, D., *see* **Mokady, R. S.**, 19.6-329

Zats, V. I.
Plotnostnaia stratifikatsiia morskikh vod i predotvraschenie zagriazneniia poverkhnostnogo sloia [Density stratification of sea water and prevention of pollution of the surface layer], 19.10-723
Volnenie moria i protsessy peremeshivaniia v pribrezhnoi zone Chernogo moria [Waves and mixing processes along the inshore zone of the Black Sea], 19.10-742

Zatuchnaia, V. M., *see* **Simonov, A. I.**, 19.4-677

Zavarina, Mariia Vasil'evna
Issledovaniia po prikladnoi klimatologii [Investigations in applied climatology], 19.12-423
Klimaticheskie kharakteristiki oblakov v zone nedostatochnogo uvlazhneniia Evropeiskoi territorii SSSR [Climatic characteristics of clouds in the zone of insufficient moisture in the European territory of the U.S.S.R.] (*with* **Mikhel', V. M.**), 19.12-343

Zavertnev, M. P.
K voprosu o povtoriaemosti gradobitii na Severnom Kavkaze [Frequency of hail damage in the Northern Caucasus] (*with* **Khadzhiev, M. A.**), 19.9-521

Zav'ialova, I. N.
Resultant winds over the Soviet Arctic (*with* **Sergeeva, G. G.**) [Transl. from Russ.], 19.11-420

Zavodsky, Dusan
Sledovanie koncentracie vzdusneho aerosolu v prizemnej vrstve v Bratislave na Kolibe [Study of atmospheric aerosol concentrations in the ground layer in Bratislava at Koliba], 19.10-197

Zborovskaia, I. M.
Nekotorye rezul'taty vertikal'nogo zondirovaniia ionosfery na stantsii Mirnyi v 1960 g [Some results of vertical ionospheric soundings at Mirny Station in 1960], 19.3-404
Sporadicheskaia ionizatsiia v oblasti E, po dannym nabliudenii v Mirnom za 1962 g [Sporadic ionization in the E-region from observational data of Mirny Observatory for 1962] [and Eng. transl.], 19.2-390

Zegel, Ferdinand H., *see* **Seemuller, W. W.**, 19.12-99

Zehr, Joachim
Preventing dust explosions during drying, conveying, mixing and storage, 19.6-223

Zektser, I. S.
Opyt izucheniia podzemnogo stoka na primere basseina Zapadnoi Dviny (Daugavy) [Study of subsurface flow based on the example of the basin of the Western Dvina (Daugava)] (*with* **Lavrov, A. P.** and **Popov, O. V.**), 19.3-699
Podzemnyi stok v basseine Ladozhskogo ozera [Subsurface flow in the basin of Lake Ladoga] (*with others*), 19.8-772

Zel'dina, M. Iu., *see* **Iakovkin, N. A.**, 19.12-637

Zelenina, T. Iu., *see* **Simolin, A. V.**, 19.4-637

Zelenkov, V. E.
O sviazi dreifov neodnorodnostei v verkhnei ionosfere s sutochnymi variatsiiami magnitnogo polia Zemli [Relationship of the drift of irregularities in the upper ionosphere with daily variation of the Earth's magnetic field] (*with* **Rudneva, N. M.**) [and Eng. transl.], 19.5-430

Zeleny, Vaclav
Intercepce a horizontalni srazky v beskydech [Precipitation interception and horizontal precipitation in the Beskid Mountains], 19.10-424
See also **Kriz, V.**, 19.10-788

Zelikovskii, V. E.
Kompleks ustroistv dlia mikrofil'mirovaniia i vvoda informatsii v ETSVM s mikrofil'ma perfokart [Combination of devices for microfilming and introducing information from microfilmed punched cards into electronic computers], 19.11-128
Zeller, Edward J.
Space weathering of lunar and asteroidal surfaces (*with* **Ronca, L. B.**), 19.5-529
Zel'manovich, Isaak Lazarevich, *see* **Shifrin, K. S.,** 19.6-456
Zelwer, R.
Interplanetary magnetic field data and corresponding geomagnetic effects for the storm of Oct. 7, 1962 (*with* **Fernando, P. C. B.** and **Ward, S. H.**), 19.1-425
Zemplenyi, Zsuzsanna, *see* **Farkas, O.,** 19.12-225
Zemtsova, Antonina Il'inichna
Klimat Sakhalina [Climate of Sakhalin], 19.11-18
Zenin, M. T.
K voprosu o vliianii prirodno-klimaticheskikh faktorov na zagriaznenie atmosfernogo vozdukha okislami azota [Effect of unfavorable climatic factors on atmospheric pollution with nitrous oxides] (*with* **Kosiborod, N. R.**), 19.10-198
Zenkovich, V. P.
Uspekhi v izuchenii beregovoi zony moria [Progress in study of the near-shore zone of the seas] (*with* **Shuliak, B. A.**) [and Eng. transl.], 19.5-700
Zetler, Bernard D.
Tides and other long period waves, 19.4-694
See also **Munk, W. H.,** 19.7-758
Zettlemoyer, A. C., *see* **Hamilton, W. C.,** 19.11-239
Zhantuarov, R. S.
Chastnye resheniia uravneniia prilivov Laplasa [Partial solutions of the Laplace tide equation], 19.3-660
Sutochnye variatsii strukturnykh parametrov atmosfery vyshe 100 km (lineinaia teoriia) [Diurnal variations of structural parameters of the atmosphere above 100 km: linear theory], 19.1-158
Zharikov, S. S.
Paleogeografiia ozer Il'menskoi gruppy i formirovanie ionnogo sostava ikh vod [Paleogeography of lakes of the Ilmen group and the formation of the ionic composition of their waters], 19.5-750
Zharov, V. L.
Zavisimost' raspredeleniia skoplenii tuntsov ot okeanologicheskoi struktury vod v nekotorykh raionakh tropicheskoi chasti Atlanticheskogo okeana [Relation between the distribution of concentrations of tuna and the oceanographic structure of waters in some tropical Atlantic areas], 19.7-77
Zhdanov, L. A.
Periodicity in atmospheric circulation and stratospheric warmings over Antarctica, 19.12-198
Zhelezniak, I. A.
Resursy rechnogo stoka i vodnyi balans Ukrainy i Moldavii [Resources of river runoff and the water balance in the Ukraine and Moldavia] (*with* **Krasovskaia, T. M.**), 19.3-351
Zhelezniakov, G. V.
Vliianie bolot na maksimal'nye raskhody vody rek [Influence of swamps on maximum river discharge] (*with* **Zakharovskaia, N. N.**), 19.3-702
Zhelezniakov, V. V.
O proiskhozhdenii solnechnykh radiovspleskov V tipa [Origin of type V solar bursts] (*with* **Zaitsev, V. V.**) [and Eng. transl.], 19.12-583
Zheltaia, N. N.
K voprosu o sviaziakh oblastnykh urozhaev sel'skokhoziaistvennykh kul'tur s meteorologicheskimi faktorami [Problem of relationship of regional yield of agricultural crops to meteorological factors], 19.4-45
Zhigalov, L. N.
Magnitnaia aktivnost' v pripoliusnoi oblasti Antarktidy i ee sviaz' s aktivnost'iu v Arktike [Magnetic activity in the polar region of Antarctica and its connection with activity in the Arctic], 19.3-493
Magnitnye vozmushcheniia v Antarktike po dannym MGG [Magnetic disturbances in the Antarctic according to IGY data], 19.9-54
See also **Driatskii, V. M.,** 19.2-349
Zhigalova, N. N.
Geograficheskoe raspredelenie intensivnosti magnitnoi vozmushchennosti v Arktike [Geographic distribution of the intensity of magnetic disturbances in the Arctic], 19.5-490
Sviaz' magnitnoi vozmushchennosti v Arktike s solnechnoi aktivnost'iu [Correlation between magnetic disturbance in Arctic and solar activity] [and Eng. transl.], 19.5-491
Zhirkov, K. F.
Nekotorye cherty radiatsionnogo rezhima stepei Zapadnoi Sibiri i Kazakhstana po dannym nabliudenii [Some features of the radiation regime of the steppes of Western Siberia and Kazakhstan according to observational data], 19.9-369
Zhirkov, M. A., *see* **Tsvid, A. A.,** 19.11-413
Zhukov, L. A.
Calculation of transport and temperature changes in the upper water layer of North Atlantic Ocean [Transl. from Russ.], 19.6-684
Zhukova, L. P.
K teorii statsionarnykh mezomasshtabnykh voln v real'noi atmosfere Zemli [Theory of stationary mesoscale waves in the Earth's atmosphere] (*with* **Trubnikov, B. N.**) [and Eng. transl.], 19.8-290
O vertikal'nom rasprostranenii v atmosfere mezomasshtabnykh vozmushchenii [Vertical distribution of mesoscale perturbations in the atmosphere] (*with* **Trubnikov, B. N.**), 19.8-291
On the dynamics of meso-scale wave movements in the field of noctilucent clouds and the penetration of the tropospheric meso-scale waves into the upper layers of the atmosphere (*with* **Trubnikov, B. N.**), 19.9-564
Zhukova, N. V., *see* **Bass, S. V.,** 19.6-797

Zhulin, I. A., *see* **Dungey, J. W.,** 19.7-655
Zhulina, E. M., *see* **Gorbushina, G. N.,** 19.2-354
Zhuzgov, L. N.
Issledovanie magnitnogo polia so sputnika "Luna-10" [Investigation of the magnetic field from Luna-10] (*with* **Dolginov, Sh. Sh.** and **Eroshenko, E. G.**) [and Eng. transl.], 19.11-645
Zhvalev, V. F.
O metodakh raschetov potokov dlinnovolnovoi radiatsii v atmosfere s pomoshch'iu elektronnykh vychislitel'nykh mashin [Methods of calculating longwave radiation fluxes in the atmosphere with the aid of electronic computers], 19.1-219
O raschete spektral'nykh velichin ukhodiashchego izlucheniia i kontrastov mezhdu radiatsionnoi temperaturoi podstilaiushchei poverkhnosti i oblakov v sviazi s zadachei obnaruzheniia oblachnosti s ISZ [Calculation of the spectral magnitudes of outgoing radiation and contrasts between radiation temperature of the underlying surface and of clouds in relation to the problem of detecting clouds from satellites] (*with* **Kondrat'ev, K. Ia.** and **Ter-Markariants, N. E.**), 19.1-220
O vozmozhnosti ispol'zovaniia infrakrasnykh izobrazhenii Zemli dlia proslezhivaniia dinamiki morskikh techenii, obnaruzheniia struinykh techenii i serebristykh oblakov [Possibility of the use of infrared pictures of the Earth for studying the dynamics of sea currents and the detection of jet-streams and noctilucent clouds] (*with* **Kondrat'ev, K. Ia.** and **Ter-Markariants, N. E.**) [and Eng. transl.], 19.5-121
Ziatitskii, V. A., *see* **Aleksandrov, Iu. N.,** 19.5-552
Ziegenbein, Jochen
Truebungsmessungen im Persischen Golf und im Golf von Oman [Transparency measurements in the Persian Gulf and Gulf of Oman], 19.5-650
See also **Krause, G.,** 19.6-674
Ziemke, M. C.
Heat flux transducers, 19.7-141
Zier, M., *see* **Mrose, H.,** 19.11-268
Ziesse, N. G., *see* **Penney, G. W.,** 19.11-269
Zietlow, Carl R.
Laboratory study of simulated whitecaps, 19.10-385
Zikeev, Nikolay T.
Weather modification in the Soviet Union, 1946-1966: a selected annotated bibliography (*with* **Doumani, G. A.**), 19.3-29
Zilitinkevich, S. S.
O dinamicheskom i termicheskom vzaimodeistvii mezhdu atmosferoi i okeanom [Dynamical and thermal interaction between the atmosphere and ocean] [and Eng. transl.], 19.4-682
Ob otsenke vetrovykh nagruzok na vysotnye sooruzheniia [Estimation of wind loads on tall structures] (*with* **Ostroumov, B. V.**), 19.3-238
Opredelenie universal'nykh profilei skorosti vetra i temperatury v prizemnom sloe atmosfery [Definition of universal profiles of wind velocities and temperature in the surface layer of the atmosphere] (*with* **Chalikov, D. V.**) [and Eng. transl.], 19.11-390
See also **Bobyleva, I. M.,** 19.9-428; **Monin, A. S.,** 19.11-273
Ziller, Neal, *see* **Dennis, A. S.,** 19.10-271
Zillman, J. W.
Surface radiation balance in high southern latitudes, 19.12-233
Zimmerman, S. P.
[Addendum and correction to] his: Parameters of turbulent atmospheres, 19.4-217
[Discussion of] C. G. Justus: Energy balance of turbulence in the upper atmosphere, 19.6-228
Zimmermann, U.
Soil-water movement and evapotranspiration: changes in the isotopic composition of the water (*with* **Ehhalt, D.** and **Muennich, K. O.**), 19.10-801
Zindler, Helga
Radionuklide als Tracer zur Untersuchung grossraeumiger Austauschvorgaenge in der oberen Atmosphaere [Radionuclides as tracers for the investigation of large-scale exchange processes in the upper atmosphere], 19.6-229
Zingg, Th.
Die Niederschlags- und Lawinenverhaeltnisse im Fruehwinter in den oberen Vispertaelern [Precipitation and avalanche conditions in early winter in the upper Visper valleys], 19.6-400
Relation between weather situation, snow metamorphism and avalanche activity, 19.3-321
Snow and avalanche investigations in the Parsen Region, 19.9-29
Snow conditions in the Swiss Alps [1955/56-1964/65 and in part 1965/1966], 19.9-29
Weather and climate, 19.9-29
Zinkiewicz, Andrzej
Czestosc wystepowania srednich dobowych temperatur powietrza w niektorych miejscowosciach poludniowo-wschodniej Polski [Occurrence frequencies of daily mean atmospheric temperatures in some localities of southeastern Poland], 19.9-393
Zinov'eva, L. E.
Podzemnyi stok malykh vod rek basseina Leny [Underground discharge of small rivers of the Lena watershed], 19.3-703
Zipser, Edward J., *see* **Ichiye, T.,** 19.2-568
Zirin, H.
Excitation of coronal emission lines as a measure of electron density, 19.6-622
Production of fast drift bursts, 19.11-620
Zirker, J. B.
Solar H and K lines of ionized calcium, 19.9-716
Zitnik, Vlado
Prognoza megle na letaliscu Ljubljana na osnovi razporeditve pritiska pri tleh in cirkulacije na visini 700 mb ploskve [Fog forecasting at Ljubljana Airport on the basis of surface pressure distribution and circulation at 700 mb level], 19.3-107
Zlobin, V. S.
Nakoplenie radioaktivnogo strontsiia morskimi burymi vodorosliami [Accumulation of radio-

active strontium in brown seaweed] [and Eng. transl.], 19.2-555

Zlotin, G. N.

Opyt izmereniia kosmicheskikh luchei na patrul'nykh iskusstvennykh sputnikakh Zemli [Cosmic ray measurements by reconnaissance satellites] (*with others*) [and Eng. transl.], 19.10-599

Zmieva, E. S.

Metody prognozov vesennego pritoka vody v vodokhranilishcha Volzhsko-Kamskogo kaskada GES [Methods of forecasting spring inflow of water into the reservoirs of the cascade of the Volga-Kama Hydroelectric Station] (*with* **Komarov, V. D.** and **Sapozhnikov, V. I.**), 19.11-194

O vychislenii gidrografa vesennego polovod'ia v usloviiakh regulirovaniia stoka [Computing the spring flood hydrograph under conditions of regulated flow], 19.3-119

O vychislenii pritoka vody v vodokhranilishcha [Calculation of water inflow to reservoirs], 19.9-831

Prognozy pritoka vody v vodokhranilishcha v period mezheni [Forecasts of flow into a reservoir during the low-water period], 19.3-120

Zmuda, A. J.

Auroral oval, 19.1-405

Scalar magnetic intensity at 1100 kilometers in middle and low latitudes (*with others*), 19.7-593

Znamenskaia, N. S.

Opredelenie poter' energii po mgnovennomu skorostnomu poliu [Determination of energy loss from the instantaneous velocity field] (*with* **Klaven, V. M.**), 19.2-602

Zoby, Ernest V.

Charts for equilibrium isentropic expansion of air behind shocks up to 50,000 feet per second (15.24 kilometers per second) (*with* **Erickson, W. D.**), 19.8-495

Zois, Constantine

Verification Report No. 3, Sept.-Nov. 1966, 19.7-191

Zolotov, A. V.

O roli udarnoi volny v obrazovanii geomagnitnogo vozmushcheniia vyzvannogo krupnym vosdushnym vzryvom [Role of a shock wave in the formation of a geomagnetic disturbance caused by a large air explosion] [and Eng. transl.], 19.2-453

Zolotov, I. G.

O zapadnoi i ekvatorial'noi sostavliaiushchikh dreifa geomagnitnogo polia [Western and equatorial components of the geomagnetic field drift] [and Eng. transl.], 19.3-455

Zonn, I. S.

Water-physical properties of the Eupharates [sic] Valley soils (*with* **Limachev, N. S.**) [Transl. from Russ.], 19.11-811

Zorina, V. A.

Priem rascheta volneniia v predust'evom prostranstve r. Pregolia [Method of wave computation in the pre-estuarine area of the Pregol' River], 19.9-459

Zorina, V. P.

Prostranstvennoe raspredelenie bol'shikh anomalii temperatury vozdukha v severnom polusharii [Spatial distribution of large air temperature anomalies in the Northern Hemisphere], 19.2-220

See also **Sazonov, B. I.**, 19.1-233

Zotkin, I. T.

Bolid nad Uralom [Fireball over the Urals], 19.6-606

Traektoriia i orbita Tungusskogo meteorita [Trajectory and orbit of the Tunguska Meteorite], 19.12-610

Zubenok, L. I.

Kharakteristika uvlazhneniia iuga Evropeiskoi territorii Sovetskogo Soiuza za otdel'nye gody [Characteristics of humidification in the southern European U.S.S.R. during individual years], 19.10-394

Zuber, A., *see* **Borowczyk, M.**, 19.9-852

Zubkov, A. E.

Volny moria [Sea waves], 19.2-569

Zubova, M. M., *see* **Titov, L. F.**, 19.6-343

Zuckerman, B., *see* **Pitman, D.**, 19.12-411

Zuev, V. E.

Prozrachnost' prizemnogo sloia atmosfery dlia izluchenii nekotorykh OKG [Transparency of the atmospheric layer near the ground to some types of laser radiation] (*with others*) [and Eng. transl.], 19.7-312

Zupancic, M., *see* **In Der Gand, H. R.**, 19.3-339

Zurflueh, Ernst G.

Applications of two-dimensional linear wavelength filtering, 19.7-166

Zverev, N. I.

Fiziko-statisticheskii metod dolgosrochnogo prognoza pogody [Physical and statistical method of range weather forecasting], 19.12-132

Zvereva, E. P., *see* **Guterman, I. G.**, 19.11-377

Zwaan, Cornelis

Small-scale solar magnetic fields and 'invisible sunspots', 19.3-601

Sunspot spectroscopy, 19.12-635

Zybin, K. Iu.

On the polarization characteristics of middle latitude geomagnetic micropulsations, 19.8-577

Zykov, I. D.

Spektry techenii tsentral'noi chasti Baltiiskogo moria [Spectra of currents in the central part of the Baltic Sea] (*with* **Pomeranets, K. S.**) [and Eng. transl.], 19.4-660

CONTRACTS

A5fs-16565, *see* **Helvey, R. A.**, 19.7-345

AF 19(628)-251, *see* **Huppi, E. R.**, 19.7-560

AF 19(628)-3876, *see* **Cochrun, B. L.**, 19.7-546; **Nardone, L. J.**, 19.9-622

AF 19(628)-3996, *see* Nowak, R., 19.12-7
AF 19(628)-4050, *see* Seliga, T. A., 19.4-447
AF 19(628)-4334, *see* Zander, R., 19.3-556, 558
AF 19(628)-4774, *see* Berg, D. S., 19.12-94
AF 19(628)-4796, *see* Engler, N. A., 19.7-103
AF 19(628)-4924, *see* Ostby, F. P., 19.3-281
AF 19(628)-4953, *see* Bowman, W. A., 19.8-10; DeLuisi, J. J., 19.7-313
AF 19(628)-4955, *see* Byron-Scott, R., 19.5-195
AF 19(628)-4956, *see* Lob, W. H., 19.7-353
AF 19(629)-5039, *see* Kattawar, G. W., 19.8-328; 19.12-453
AF 19(628)-5075, *see* Mahoney, J. R., 19.6-346
AF 19(628)-5167, *see* Austin, P. M., 19.7-111
AF 19(628)-5170, *see* Buell, C. E., 19.8-373
AF 19(628)-5176, *see* Court, A., 19.2-117
AF 19(628)-5202, *see* Goldman, A., 19.11-350
AF 19(628)-5982, *see* Davidson, D., 19.1-368
AF 19(628)-5983, *see* Ten Broek, H. W., 19.10-359
AF 30(602)-4233, *see* Katzin, M., 19.6-140
AF 61(052)-595, *see* Bullrich, K., 19.7-298
AF 61(052)-599, *see* Landmark, B., 19.11-541
AF 61(052)-618, *see* Bener, P., 19.9-379; 19.10-137
AF 61(052)-761, *see* Vassy, E. J., 19.6-508
AF 61(052)-811, *see* Harang, L., 19.2-473
Cwb-10542, *see* Philco Corp. Systems Technology Center, Arlington, Va., 19.12-54
Cwb-11210, *see* Bonner, W. D., 19.5-107
Cwb-11299, *see* Bryan, J. G., 19.7-178
Cwb-11308, *see* Hemmerich, K. H., 19.4-285
Cwb-11353, *see* Hanks, H. H., Jr., 19.4-150
Cwb-11354, *see* Wiegman, E. J., 19.7-383 to 385
Cwb-11355, *see* Russo, J. A., Jr., 19.6-171
Cwb-11369, *see* Grace, W. R. and Co., Dewey and Almy Chemical Div., 19.9-4
Cwb-11376, *see* Drayson, S. R., 19.8-336
Cwb-11377, *see* Hayden, C. M., 19.8-171
DA-01-009-AMC-169(X), *see* Anthony, M., 19.10-387
DA-02-086-AMC-0447(E), *see* Pruitt, W. O., 19.5-345
DA-28-043 AMC-2313(E), *see* Henry, W. K., 19.2-17
DA-28-043-AMC-00183(E), *see* Adenstedt, R., 19.7-99
DA-28-043-AMC-00384(E), *see* Phillips, N. S., 19.2-68; 19.9-134
DA-28-043 AMC-00443(E), *see* Gerrish, H. P, 19.3-292
DA-28-043 AMC-01257(E), *see* Jones, D. M. A., 19.6-108
DA-28-043-AMC-01303(E), *see* Orgill, M. M., 19.1-299; Riehl, H., 19.1-261
DA-28-043-AMC-01309(E), *see* Schwenke, T. W., 19.1-6
DA-28-043 AMC-02071(E), *see* Mueller, E. A., 19.5-76
DA-28-043-AMC-02457(S), *see* Radiation, Inc., Radiation Systems Div., 19.7-130
DA-31-124-ARO-D-427, *see* Roberts, J. A., 19.7-457
DA-49-092-ARO-66, *see* Cramer, H. E., 19.1-246
DA-49-146-XZ-356, *see* Young, R. A., 19.1-402
DA-91-EUC-3936, *see* Reiter, R., 19.2-142
DA-91-591-EUC-2157, *see* Flach, E., 19.7-463
E-12-67(N), *see* Spar, J., 19.4-153
E-22-84-67(N), *see* Senn, H. V., 19.2-175
E-47-67(N), *see* Rogers, C. W., 19.2-171
E-91-67(N), *see* Platzman, G. W., 19.9-456
E-132-67(N), *see* Santa Barbara Research Center, Goleta, Calif., 19.10-134
E-167-67-(N), *see* Serebreny, S. M., 19.7-395
E-214-67(N), *see* Shaw, R. H., 19.11-430
[ESSA] 7-35028, *see* Petersen, D. P., 19.8-7
F 19628-67-C-0196, *see* Chesebrough, G. F., 19.7-477
FA64WA-5143, *see* Gainer, C. A., 19.8-49
FA65WA-1315, *see* Brown, R. T., Jr., 19.8-88
FA 66 WA-1442, *see* Endlich, R. M., 19.11-191
FWS 14-17-0007-376, *see* Bumpus, K., 19.5-680
MIPR ES-7-967, *see* Danard, M. B., 19.8-168
N 00014-66-C0277-G01, *see* Monahan, E. C., 19.10-385
N 189(188)-60598A, *see* Merritt, E. S., 19.7-237
N600(19)-65184, *see* Hiser, H. W., 19.2-73
N 62306-1165, *see* Cox, C., 19.7-348
N62306-1687, *see* Texas Instruments Inc., Dallas, 19.4-610
NAS 4-54(03), *see* Chaney, L. W., 19.2-16
NAS 5-3183, *see* Geonautics, Inc., Wash., D. C., 19.7-82
NAS 5-3940, *see* Fremouw, E. J., 19.8-540
NAS 5-10151, *see* Merritt, E. S., 19.12-85
NAS 5-10291, *see* Aerojet-General Corp., El Monte, Calif., Space-General Div., 19.10-121
NAS 8-20587, *see* Brown Engineering Co., Inc., Huntsville, Ala., 19.7-150
NASr-156, *see* Kocmond, W. C., 19.9-247
NAVY N00014-67-A-0285-0002, *see* McGoldrick, L. F., 19.12-169
Nonr-1202(22), *see* Mortimer, C. H., 19.8-764
Nonr-1202(27), *see* Meyer, R. E., 19.5-693
Nonr-1841(74), *see* Massachusetts Institute of Technology, Cambridge, 19.8-39; 19.10-708
Nonr-2196(00), *see* Fofonoff, N. P., 19.12-677, 721
Nonr-3010(02), *see* Wilson, C. R., 19.3-486
Nonr-3351(00), *see* Fofonoff, N. P., 19.12-677, 721
Nonr-3855(00), *see* Dagon, R. R., 19.9-105
Nonr-4008(12), *see* Andrews, G. F., 19.7-159
Nonr-4010(01), *see* Martin, S., 19.12-173
Nonr-4029(00), *see* Bumpus, K., 19.5-618
Nonr-4259(05), *see* Heirtzler, J. R., 19.12-532
NR 260-101, *see* Bumpus, K., 19.5-618
NSF-C403, *see* Bowman, G. G., 19.1-29
ONR 1202(07), *see* Bryson, R. A., 19.9-11

GRANTS

A-AMC-28-043-65-G20, *see* Hsi, G., 19.10-354; Kung, R. J., 19.7-147
A-AMC-28-043-66-G25, *see* Garstang, M., 19.3-155
-63-67(G), *see* Thompson, A. H., 19.9-355
140-(122)2762B, *see* Mollo-Christensen, E., 19.4-681
ASA NGR-22-009-131, *see* Fiocco, G., 19.9-262
ASA NGR-44-012-048, *see* Plunkett, A. B., 19.8-376
SF GA-90, *see* Mather, K. B., 19.11-393
NSF GA-478, *see* Sugiura, M., 19.11-571
NSF GP-1508, *see* Sanders, F., 19.2-19
NSF GP-2418, *see* Paulson, C. A., 19.7-9
NSF GP-2561, *see* Bradley, J. H. S., 19.8-292
NSF GP-3479, *see* Bradley, W. E., 19.4-396
NSF GP 4321, *see* Mollo-Christensen, E., 19.4-681
NSF GP-4385, *see* Drayson, S. R., 19.8-337
WBG-27, *see* Wisconsin. Univ., Madison. Dept. of Met., 19.7-15
WBG-55, *see* Huss, P. O., 19.8-375
WBG-63, *see* Martin, S., 19.12-173

CUMULATIVE TRANSLATIONS INDEX

Vol. 19, No. 1-12, Jan.–Dec. 1968

A

Abramovich, K. G.
Characteristics of atmospheric processes on days with a low cloud cover [Transl. from Russ.], 19.5-296

Abrosimov, A. T.
Study of short-period variations and microvariations in cosmic-ray intensity by means of single scintillation counters (*with* **Blokh, Ia. L.**) [Transl. from Russ.], 19.1-15

Akopian, A. S.
Problem of determining evaporation from the soil surface with the ground-water table at various depths [Transl. from Russ.], 19.9-842

Aleksandrov, V. S.
Miniature devices for measuring heat radiation [Transl. from Russ.], 19.8-118

Alianchikova, G. N.
On the problem of checking meteorological instruments and testing equipment [Transl. from Russ.], 19.8-120

Al'tshuler, V. M.
Calculation of the actual tidal fluctuations in harmonic analysis [Transl. from Russ.], 19.12-746

Amelin, A. G.
Theory of fog condensation [Transl. from Russ.], 19.2-1

Andreeva, S. I.
Amplitude-frequency and phase characteristics of very distant atmospherics (*with* **Evteeva, K. A.**) [Transl. from Russ.], 19.1-351
Amplitude-frequency spectra of near atmospherics (*with* **Evteeva, K. A.**) [Transl. from Russ.], 19.1-350

Andreianov, V. G.
Some refinements and simplifications of the method of computing streamflow distribution during a calendar year in relation to construction design requirements [Transl. from Russ.], 19.2-610

Antonov, V. S.
Problem of the level of the Caspian Sea and runoff of the northern rivers [Transl. from Russ.], 19.11-710

Aratskaia, V. V.
Areas of North Pacific Ocean with uniform corrections for sound velocity [Transl. from Russ.], 19.2-546

Artem'ev, A. N.
Radiation regime of the Schirmacher Oasis [Transl. from Russ.], 19.3-201

Avramchuk, V. V.
Polychromatic polarimetry of some lunar regions [Transl. from Russ.], 19.11-630

B

Bairachenko, I. V.
Some results of meteor observations at two wave-lengths (*with* **Mel'nik, V. I.** and **Moisia, R. I.**) [Transl. from Russ.], 19.2-487

Baranov, G. I.
Physico-mechanical properties of Antarctic sea ice [Transl. from Russ.], 19.2-576

Beletskii, V. V.
Motion of an artificial satellite about its center of mass [Transl. from Russ.], 19.1-5

Beliaev, V. P.
Instrumentation for meteorological observations from helicopters (*with* **Vinnichenko, N. K.** and **Pakhomov, L. A.**) [Transl. from Russ.], 19.9-166

Belinskii, V. A.
Aerology (*with* **Pobiiakho, V. A.**) [Transl. from Russ.], 19.2-10

Ben'kova, N. P.
Variability of ionospheric parameters (*with* **Sukhodol'skaia, A. N.**) [Transl. from Russ.], 19.1-15

Berlin, I. A.
Improved methods for primary processing of meteorological data (*with* **Burkovskaia, E. Kh.** and **Tsyganova, A. M.**) [Transl. from Russ.], 19.8-77

Beskin, L. I.
Soil moisture measurements with neutron flux [Transl. from Russ.], 19.9-189

Bespalov, D. P.
Methods for the measurement of temperature and heat flow in soil [Transl. from Russ.], 19.8-113
Present day state and trends in the development of meteorological observations and measurements (*with* **Sternzat, M. S.**) [Transl. from Russ.], 19.8-78

Blinov, L. K.
Salt content of seawater and ice [Transl. from Russ.], 19.12-727

Bogomolov, A. M.
Problem of linking ATMS to the general telegraph circuit (*with* **Petrov, V. P.**) [Transl. from Russ.], 19.11-158
Bolotinskaia, M. Sh.
On the quantitative characteristics of atmospheric circulation patterns [Transl. from Russ.], 19.9-322
Borisenkov, E. P.
Automatic drawing of baric topography charts with the aid of an alpha-numerical printing arrangement (*with* **Tarasov, B. V.**) [Transl. from Russ.], 19.11-175
Automatic introduction of meteorological information from communication lines into an electronic digital computer and its analysis (*with* **Polysalova, N. F.**) [Transl. from Russ.], 19.11-138
Seasonal energy transformations in the atmosphere of the Northern and Southern Hemispheres [Transl. from Russ.], 19.11-322
Borisova, L. A.
Actinometric observations from the surface of Lake Baikal (*with* **Vykhristiuk, M. M.**) [Transl. from Russ.], 19.9-370
Boss, E. G.
Coupling coefficients for particle passage through the atmosphere, taking into account nuclear interactions (*with others*) [Transl. from Russ.], 19.1-15
Bulatov, S. N.
Characteristics of the temperature and velocity regime of Bratsk Reservoir under an ice cover [Transl. from Russ.], 19.2-595
Bulgakov, N. P.
Extreme winter boundary of ice in Far Eastern Seas [Transl. from Russ.], 19.2-577
Burtsev, A. I.
Scheme for the forecasting of winds in the free atmosphere (*with* **Vetlov, I. P.**) [Transl. from Russ.], 19.7-167

C

Chao, Yen Tseng
Instrument for determining the spectra of the electric charge of cloud droplets (*with* **Shih, W. G.** and **Chen, S. M.**) [Transl. from Chinese], 19.6-156
Chaplygin, E. I.
Perennial variations in the hydrological characteristics of the Atlantic current [Transl. from Russ.], 19.11-731
Chasnikov, I. Ia.
Use of δ electrons to determine the nature and energy of charged particles [Transl. from Russ.], 19.1-15
Chirkov, N. P.
Ionization-burst variations [Transl. from Russ.], 19.1-15
Rhythmic trends in the secular variations of cosmic-ray intensity [Transl. from Russ.], 19.1-15
Unusual phenomena related to the cosmic-ray variations in Dec. 1957 (*with others*) [Transl. from Russ.], 19.1-15
Chu, Yun T'i
Three-level nonlinear prediction model in spherical coordinates [Transl. from Chinese], 19.1-116
Chudnovskii, A. F.
Integrating device for the determination of totals and averages of some meteorological elements (*with* **Mogilevskii, B. M.**) [Transl. from Russ.], 19.7-91

D

Danilin, A. I.
Use of radioisotopes in hydrometeorological research and measurements [Transl. from Russ.], 19.8-126
Danilov, A. A.
Comparison between the diurnal variations of the geomagnetic field and the corresponding variations of cosmic-ray intensity [Transl. from Russ.], 19.1-15
Davitaia, F. F.
Possible influence of atmospheric dustiness on the recession of glaciers and warming of the climate [Transl. from Russ.], 19.5-169
Denikaev, R. Z.
Operation of a neutron monitor and μ-meson telescope (*with others*) [Transl. from Russ.], 19.1-15
Dikii, L. A.
K nelineinoi teorii ustoichivosti zonal'nykh techenii [Non-linear theory of stability of zonal flow] [Transl. from Russ.], 19.3-173
Dmitrieva, N. G.
Determination of the volume of seasonal ice formation in river basins by the hydrochemical method [Transl. from Russ.], 19.9-825
Dolgin, I. M.
Air humidity characteristics over East Antarctica (*with* **Karimova, G. U.** and **Kovrova, A. M.**) [Transl. from Russ.], 19.1-276
Some results of meteorological and aerological investigations in Antarctica in the period from 1956 to 1966 [Transl. from Russ.], 19.2-75
Some results of meteorological investigations in the Arctic and in Antarctica during the International Geophysical Year (*with* **Dolganov, L. V.**) [Transl. from Russ.], 19.11-136
Dorman, L. I.
Variation in cosmic-ray intensity at the time of a Forbush decrease (*with others*) [Transl. from Russ.], 19.1-15
Dubrovina, E. N.
Convective heat transfer in the supercritical region of carbon dioxide (*with* **Skripov, V. P.**) [Transl. from Russ.], 19.11-293
Dunaeva, A. V.
Improvement of snow-survey methods [Transl. from Russ.], 19.8-449
Dydina, L. A.
Some characteristics of the regime of strong winds in the Arctic in connection with types of

synoptic processes [Transl. from Russ.], 19.11-398

E

Efimov, N. N.
EAS frequency during periods of various effects in the intensity of intermediate-energy cosmic rays (*with others*) [Transl. from Russ.], 19.1-15

Efimov, P. L.
State and development trends of aerological observations [Transl. from Russ.], 19.8-135

Egorov, V. V.
Development of soil science in the USSR [Transl. from Russ.], 19.12-33

El'iasberg, P. E.
Introduction to the theory of flight of artificial Earth satellites [Transl. from Russ.], 19.5-5

F

Fateev, N. P.
Measurement and control of air humidity by the dew point method [Transl. from Russ.], 19.8-127

Fedorov, S. F.
Experience in the use of a gradient-measuring set-up for determining evaporation and heat exchange in forests [Transl. from Russ.], 19.8-107

Fedorova, Z. P.
Turbulent heat exchange and evaporation in the Laptev Sea [Transl. from Russ.], 19.11-737

Filippov, B. A.
Problem of hydrology of coastal Antarctic water [Transl. from Russ.], 19.12-673

G

Gaevskii, V. L.
Measurement of surface temperature by the radiation method [Transl. from Russ.], 19.8-114

Gaigerov, Semen Semenovich
Aerology of the polar regions [Transl. from Russ.], 19.2-3

Gandin, L. S.
Aerological data requirements for numerical analysis and forecasting [Transl. from Russ.], 19.9-200

Gavrilin, B. L.
Numerical experiments on the general circulation of the atmosphere [Transl. from Russ.], 19.7-278

Geichenko, M. S.
Mechanism of hydrogen excitation in prominence surges [Transl. from Russ.], 19.1-497

Girs, A. A.
Some features of the intra-annual transformation of the atmospheric circulation patterns and their importance in forecasting [Transl. from Russ.], 19.9-324

Glinskii, N. T.
Spectral method in the investigation of internal waves [Transl. from Russ.], 19.2-571

Gol'denberg, M. L.
Automatic integrating fluctuation meters and gradient recorders (*with* **Kachurin, L. G.** and **Tolstobrov, B. Ia.**) [Transl. from Russ.], 19.8-109

Gorbunov, Iu. A.
Water exchange between the East Siberian and Chukchi Seas through Long Strait [Transl. from Russ.], 19.4-659

Gorelik, A. G.
Equipment for the study of statistical characteristics of radar echo [Transl. from Russ.], 19.9-199
Increasing the receiver sensitivity of an aerological radar set (*with others*) [Transl. from Russ.], 19.9-130

Granitskii, L. V.
Automatic programmed scaler (*with others*) [Transl. from Russ.], 19.1-15

Groen, Pier
Water of the sea [Transl. from Dutch], 19.6-4

Gudkovich, Z. M.
Aerodynamic investigations of ice flow models (*with* **Melkonyan, G. I.** and **Nikiforov, E. G.**), 19.11-748
Steady-state drift of a single ice flow (*with* **Nikiforov, E. G.**) [Transl. from Russ.], 19.11-745

Gukhman, A. A.
New data on the properties of trans-sonic flows (*with others*) [Transl. from Russ.], 19.11-294

Gumilev, L. N.
Heterochronism in the moisture supply of Eurasia in the middle Ages (Landscape and ethnos, V) [Transl. from Russ.], 19.7-451

Gushchina, M. V.
Optimum methods for snow cover observations in the meteorological station network (*with others*) [Transl. from Russ.], 19.8-450

H

Hirsch, R.
Calculation of the turbulent boundary layer and of transition on a plane plate [Transl. from French], 19.6-21

Hsu, Shu Ying
Water-vapor transfer and water balance over eastern China [Transl. from Chinese], 19.2-262

I

Iakovlev, G. N.
Ice research in central Arctic [Transl. from Russ.], 19.2-579

Imianitov, I. M.
Airborne and radiosonde instruments for measuring raindrop size (*with* **Mikhailovskaia, V. V.** and **Evteev, B. F.**) [Transl. from Russ.], 19.9-186
Electricity of the free atmosphere: results of measurements carried out during the International Geophysical Year and Year of Inter-

national Geophysical Collaboration (*with* **Chubarina, E. V.**) [Transl. from Russ.], 19.2-5
Improved method for measuring the strength of electrostatic field near the surface of aircraft flying in the upper atmosphere (*with* **Shvarts, Ia. M.**) [Transl. from Russ.], 19.9-206

In'kov, B. K.
Results of the registration of the wave forms of near atmospherics [Transl. from Russ.], 19.1-358
Some characteristic features of the waveforms of distant atmospherics [Transl. from Russ.], 19.1-359

Ivanova, A. A.
Calculation of the propagation of release waves on the Svir' River under winter and summer conditions and its comparison with field data (*with* **Ruppert, M. L.**) [Transl. from Russ.], 19.9-826

Ivanova, E. M.
Estimate of the variability of ground-water flow into the rivers of the European U.S.S.R. (*with others*) [Transl. from Russ.], 19.1-593

J

Jessen, Otto
Swell in the Atlantic and on the West Coast of Africa [Transl. from German], 19.7-741

Ju, Jong Ji
Investigation on the prediction of strong winds associated with cold fronts in the Yupeh Region (Northern Honan) in spring (*with others*) [Transl. from Chinese], 19.6-169

K

Kachurin, Lev Grigor'evich
Kinetics of phase transitions of water in the atmosphere (*with* **Morachevskii, V. G.**) [Transl. from Russ.], 19.2-269

Kaganov, M. A.
Theoretical considerations for the use of heat flow meters for heat flow measurement in soil, in snow and ice covers (*with* **Rozenshtok, Iu. L.**) [Transl. from Russ.], 19.8-115
Use of thermistors in air-humidity measurements [Transl. from Russ.], 19.8-129

Kao, Yu Hsie
Monsoon problem (*ed.*) [Transl. from Chinese], 19.9-28
Some problems on the monsoon of East Asia (*with others*) [Transl. from Chinese], 19.8-11

Kapustin, I. N.
Possible cause of instrumental errors for a neutron monitor (*with* **Kapustina, A. V.**) [Transl. from Russ.], 19.1-15
Visible recording of the cosmic-ray intensity by means of a multiple-point automatic potentiometer [Transl. from Russ.], 19.1-15

Karasev, E. K.
Investigation of the hydrodynamics and heat transfer in a channel with turbulizers on the heat transfer surface [Transl. from Russ.], 19.11-295

Karpusha, V. E.
Experience in the use of new types of wind-measuring instruments [Transl. from Russ.], 19.8-125

Kazakova, N. A.
Technique and basic results of the calculation of vertical air motions (from data of the NP-7 drifting station) (*with* **Matveev, L. T.**) [Transl. from Russ.], 19.11-421

Keller, Reiner
Vody i vodnyi balans sushi: vvedenie v gidrogeografiiu [Water and water balance of dry land: introduction to hydrogeography] [Transl. from German], 19.5-10

Khansuvarov, K. I.
Reference piston barometer [Transl. from Russ.], 19.8-123

Kharchenko, S. I.
Procedure for the computation of runoff from the hydrophysical characteristics of the ground and precipitation under the conditions of a zone of insufficient moisture [Transl. from Russ.], 19.9-230

Khrol, V. P.
Calculation of ice volume and hummocks using Baffin Sea as example [Transl. from Russ.], 19.7-759

Ko, Jun Sheng
Radar analysis of hailstorms over the Peking region in 1964 (*with others*) [Transl. from Chinese], 19.6-425

Kolchinskii, I. G.
Effect of the Earth's atmospheric turbulence on the light collection of telescopes [Transl. from Russ.], 19.1-243

Kolesnikov, A. G.
Instruments for measuring turbulent pulsations of current velocity and temperature at great depths (*with others*) [Transl. from Russ.], 19.6-652
Abyssal automatic turbulence meter, an instrument for the registration of turbulent fluctuations of velocity and temperature in the Ocean (*with others*) [Transl. from Russ.], 19.5-630

Konstantinov, A. R.
Evaluation of measuring errors of aspiration and station psychrometers used for the measurement of air temperature and humidity in the atmosphere with nonuniform temperature field [Transl. from Russ.], 19.11-151

Kopcewicz, Teodor
Selected problems in hail physics and hail suppression: report on the [Cracow] Symposium on Hail Suppression [Transl. from Polish], 19.8-204

Koptev, A. P.
Albedo of the snow-ice cover of the sea [Transl. from Russ.], 19.2-204

Korotkevich, E. S.
Ten years of Soviet research in the Antarctic (1965-1966) [Transl. from Russ.], 19.2-78

Kotliakov, V. M.
New data on the snow accumulation regime in the interior of East Antarctica (*with* **Lazarev,**

G. E. and **Liubarets, M. M.**) [Transl. from Russ.], 19.3-312

Kovrova, A. M.
Character of turbulence in the free atmosphere in the western sector of the Soviet Arctic [Transl. from Russ.], 19.11-392

Krasil'nikov, D. D.
Atmospheric-density effects in the EAS frequency during cyclones and seasonal fluctuations in atmospheric temperature (*with others*) [Transl. from Russ.], 19.1-15
Correlation of the frequency of large ionization bursts with the 11-year solar-activity cycle [Transl. from Russ.], 19.1-15
μ-meson spectrum for energies from 10^{11} to 10^{13} eV at sea level [Transl. from Russ.], 19.1-15

Krasnoshchekov, E. A.
Experimental study of the heat transfer in the supercritical region of carbon dioxide (*with others*) [Transl. from Russ.], 19.11-296

Krechmer, M. V.
Experience in processing aerological data with electronic computers (*with* **Smirnov, G. A.**) [Transl. from Russ.], 19.8-84

Krymskii, G. F.
Application of a unidimensional-diffusion model to the propagation of solar cosmic rays [Transl. from Russ.], 19.1-15

Kryzhanovskaia, A. B.
Calculating water inflow to a reservoir by individual travel-time curves with varying parameters [Transl. from Russ.], 19.9-834

Kudlo, B. P.
Some data on the water exchange between the Barents and Norwegian Seas [Transl. from Russ.], 19.4-661

Kudriavtsev, N. F.
About the choice of effective constructions of the measurement instruments and their optimal parameters for the measurement of sea-currents in the undulating water layer (*with* **Nikiforov, E. G.**) [Transl. from Russ.] [Comments by J. Karwowski], 19.1-534

Kulik, V. Ia.
On characteristics of stored water in the soil in water balance calculations [Transl. from Russ.], 19.11-808

Kuperov, L. P.
High frequency short-wave radio communications between the Northern Hemisphere and Antarctica [Transl. from Russ.], 19.4-50

Kuzkov, A. A.
Is there a problem of desiccation of Asia? [Transl. from Russ.], 19.7-452

Kuz'min, A. I.
Cosmic-ray bursts (*with* **Krymskii, G. F.**) [Transl. from Russ.], 19.1-15
Cosmic rays in July 1961 (*with others*) [Transl. from Russ.], 19.1-15
Effect on cosmic rays of a variation in the geomagnetic thresholds (*with* **Krymskii, G. F.**) [Transl. from Russ.], 19.1-15
Some results of azimuthal measurements of cosmic-ray variations at Yakutsk (*with others*) [Transl. from Russ.], 19.1-15
Study of temperature fluctuations of the upper atmosphere, according to data of underground cosmic-ray measurements (*with others*) [Transl. from Russ.], 19.1-15

Kuzmin, P. P.
Methods used by meteorological stations for determining the rate of snow melting [Transl. from Russ.], 19.9-524

L

Laktionov, A. F.
Abridged list of Soviet literature on Arctic Basin research by high-latitude expeditions and drifting stations, 1937-1962 (*with* **Romanovich, Z. S.**) [Transl. from Russ.], 19.3-31

Lambor, Julian
Hydrologic forecasting methods [Transl. from Polish], 19.6-1

Ledenev, V. G.
Antarctic convergence in the western part of the Indian sector of the Southern Ocean [Transl. from Russ.], 19.3-642

Lel'chuk, V. L.
Experimental study of the heat transfer from pipe walls to mono-, di-, and triatomic gases at large temperature gradients (*with* **Elfimov, G. I.** and **Fedotov, Iu. P.**) [Transl. from Russ.], 19.11-297

Leningrad. Arkticheskii i Antarkticheskii Nauchno-Issledovatel'skii Institut
Vyacheslav Vasil'evich Frolov: his life and work [Transl. from Russ.], 19.9-74

Leonov, A. K.
Some characteristics of thermics and currents of the Sea of Japan [Transl. from Russ.], 19.7-746

Leonov, M. P.
Preliminary results of a study of steady precipitation based on data of a dense rain-gage network [Transl. from Russ.], 19.12-360

Levashov, A. A.
Approximate determination of high flood frequency in rivers without hydrological observations [Transl. from Russ.], 19.8-791

Li, Guo Wen
Study of the thermal low over southwest China and related forecasting problems [Transl. from Chinese], 19.8-181

L'vov, V. P.
Some data on the subterranean component of water and salinity balance of the Aral Sea [Transl. from Russ.], 19.12-700

Lykov, A. V.
Heat and mass transfer, Vol. 1 (*with* **Smol'skii, B. M.**) (*eds.*) [Transl. from Russ.], 19.11-38

M

Manuilov, K. N.
Use of elastic links in hydrometeorological instruments [Transl. from Russ.], 19.8-110

Marfenko, O. V.
Accuracy of temperature-wind sounding of the atmosphere [Transl. from Russ.], 19.8-136
Markova, O. L.
Water balance and flow under mantled karst conditions [Transl. from Russ.], 19.10-783
Martinot-Lagarde, Andre
Physical similitude: examples of applications to fluid mechanics [Transl. from French], 19.2-14
Matveev, L. T.
Fundamentals of general meteorology: physics of the atmosphere [Transl. from Russ.], 19.9-1
Meteorology and Hydrology, No. 1, [Jan.] 1967 [Transl. from Russ.], 19.3-28
Michurin, B. N.
Relationship between moisture content, moisture tension, and specific surface area in soil (*with* **Lytayev, I. A.**) [Transl. from Russ.], 19.11-809
Mikhailov, Iu. D.
Investigation of relationship between the field of atmospheric pressure and currents in the Gulf of Finland (*with* **Babanina, M. A.**) [Transl. from Russ.], 19.12-263
Miliaev, N. A.
Latitudinal shifts in the reversal zone of diurnal variations in the Arctic magnetic field [Transl. from Russ.], 19.3-449
Magnetic disturbance in the region of drift of station North Pole 8 [Transl. from Russ.], 19.2-452
Mironova, M. N.
Spectrophotometry of some lunar objects [Transl. from Russ.], 19.11-640
Mitskevich, A. I.
Efficiency of heat transfer surfaces [Transl. from Russ.], 19.11-299
Mitter, Josef
Evaluation of meteorological influences on electro-optical distance measurement [Transl. from German], 19.4-380
Molitvin, P. V.
Study of the relationship between surface and subsurface fissure-karst waters in the Ay River basin [Transl. from Russ.], 19.10-784
Mozzhukhin, O. A.
Effect of meteorological factors during radar measurements [Transl. from Russ.], 19.10-215
Murzaev, E. M.
Nature of Sinkiang and formation of the deserts of Central Asia [Transl. from Russ.], 19.6-13
Mushkin, I. G.
Microclimatic station for measurements in herbage [Transl. from Russ.], 19.8-111
Mustafin, N. V.
Method of forecasting the sea level in the Dm. Laptev Strait [Transl. from Russ.], 19.11-199
Mustel', E. R.
Solar wind and interplanetary magnetic fields [Transl. from Russ.], 19.12-554

N

Neiman, V. G.
Meridional water circulation in the Southern Ocean [Transl. from Russ.], 19.3-643
Nelepo, B. A.
Application of spectrographic methods in nuclear hydrophysics (*with* **Romanov, V. I.**) [Transl. from Russ.], 19.2-554
Nevzorov, A. N.
Airborne instrument for measuring the sizes and concentration of large particles in clouds and precipitation [Transl. from Russ.], 19.8-130
Niilisk, Khel'gi
On the question of calculations of thermal radiation of the atmosphere [Transl. from Russ.], 19.7-105
Nikol'skii, S. I.
Extensive air showers of cosmic radiation [Transl. from Russ.], 19.1-15
Norina, A. M.
Hydrological characteristics of the northern Barents Sea [Transl. from Russ.], 19.12-701
Novitskii, V. P.
Permanent currents of the Northern Barents Sea [Transl. from Russ.], 19.8-729
Nudel'man, A. V.
Soviet Antarctic Expeditions, 1961-1963 [Transl. from Russ.], 19.11-9
Nurgozhin, N. N.
Air-filled spark changer (*with* **Nam, R. A.**) [Transl. from Russ.], 19.1-15

O

Oguriaev, S. E.
Some results of an investigation of the atmospheric radio interference field in a wide frequency range [Transl. from Russ.], 19.1-361
Ol'shevskii, V. V.
Characteristics of sea reverberation [Transl. from Russ.], 19.8-14
Orlov, N. I.
Determination of the amount of snow transported by wind during snowstorms by means of a recording snow gage [Transl. from Russ.], 19.10-82
Ovchinnikov, L. F.
Calculation of radiation balance for several sites in the Arctic region over a long period [Transl. from Russ.], 19.8-82

P

Pak, M. I.
Spark counter for recording cosmic-radiation particles (*with* **Lukin, Iu. T.**) [Transl. from Russ.], 19.1-15
Panofsky, Hans A.
Statisticheskie metody v meteorologii [Statistical methods applied to meteorology] (*with* **Brier, G. W.**) [Transl. from Eng.[, 19.10-1
Paszkiewicz, Czeslaw
States of sea in the Southern Baltic with special consideration of the Polish coastal zone [Transl. from Polish], 19.10-752
Patrichi, F.
New developments in automatic meteorological instrumentation [Transl. from Russ.], 19.8-144

Person, S. M.
Principles of data coding and processing as applied to the design of Automatic Telemetering Meteorological Stations (ATMS) [Transl. from Russ.], 19.8-145

Petrov, V. N.
Snow accumulation periodicity in Antarctica (*with* **Smirnov, N. P.** and **Barkov, N. I.**) [Transl. from Russ.], 19.2-297

Petrov, V. P.
Comprehensive automation of the hydrometeorological station network [Transl. from Russ.], 19.9-197

Petukhov, B. S.
Convective heat transfer in a homogeneous medium [Transl. from Russ.], 19.11-300

Piest, Juergen
Comparison of the Bretschneider relations concerning the distribution of the visually-observed waves and the spectrum of the sea waves with the results of the evaluation of wave records from the Helgolaender Bucht] [Transl. from German], 19.4-691

Piotrovich, V. V.
Results of 10 years of observations on the water temperature of springs in the vicinity of Moscow [Transl. from Russ.], 19.10-789

Pokrovskaia, I. A.
Standard barometer and the use of its readings at the network stations [Transl. from Russ.], 19.8-124

Poland. Panstwowy Instytut Hydrologiczno-Meteorologiczny
Bibliography of Polish meteorology and climatology up to 1939 [Transl. from Polish], 19.11-74

Poliakova, K. N.
Characteristics of the melting of the ice cover and the opening of the middle Lena River [Transl. from Russ.], 19.5-725

Popov, V. N.
Theoretical calculation of the heat transfer and friction resistance for carbon dioxide in the supercritical region [Transl. from Russ.], 19.11-301

Protopopov, N. G.
Present-day state of and trends in the development of wind-parameter measurements [Transl. from Russ.], 19.12-90

R

Ragozina, V. S.
Peculiarities of synoptic processes which cause large air temperature anomalies in October in the Chukchi Sea [Transl. from Russ.], 19.11-366

Reinet, Ia. Iu.
Some requirements concerning conditions for the measurement of atmospheric ion spectra by the aspiration method [Transl. from Russ.], 19.8-159

Repnev, A. I.
Interpretation of data recorded by a measuring device moving at high speed in upper air layers [Transl. from Russ.], 19.12-83

Rode, A. A.
Study of soil moisture by Soviet investigators [Transl. from Russ.], 19.12-820

Rozanov, A. G.
Distribution of nitrates and nitrites in the water of North Indian Ocean (*with* **Bykova, V.S.**) [Transl. from Russ.], 19.7-740

Rozenshtok, Iu. L.
Unsteady laminar thermal boundary layer on a semi-infinite plate in a viscous liquid flow [Transl. from Russ.], 19.11-302

Rozhdestvenskii, A. V.
Some problems concerning the method of accounting for cyclic fluctuations of annual flow in hydrological computations and forecasts [Transl. from Russ.], 19.2-115

Rusin, N. P.
Some results of and prospects for the study of the meteorology of the air layer near the ground in Antarctica [Transl. from Russ.], 19.3-46

Ryzhkov, Iu. G.
Measurement of bottom currents in the Black Sea with a neutrally buoyant ultrasonic buoy (*with* **Karnaushenko, N. N.**) [Transl. from Russ.], 19.2-532

S

Saks, O. V.
Design of a dynamic capacitor for atmospheric ion counters [Transl. from Russ.], 19.11-169

Salazanov, V. V.
Dynamics of soil thawing [Transl. from Russ.], 19.2-228

Savikovskii, I. A.
Results of tests on the performance of polarization visibility meters from measurements carried out during the day [Transl. from Russ.], 19.9-202

Sergeeva, A. N.
Spectral studies of the lunar surface [Transl. from Russ.], 19.6-597

Sergeeva, G. G.
Wind distribution characteristics over Antarctica (*with* **Sokolov, S. I.**) [Transl. from Russ.], 19.3-234

Shafer, Iu. G.
Studies of variations in the primary cosmic radiation [Transl. from Russ.], 19.1-15

Shi, Yong-nia
Experiment on the quantitative description of climatic element field by orthogonal functions [Transl. from Chinese], 19.2-307

Shifrin, K. S.
Contribution to the theory of optical methods of atmospheric aerosol investigation (*with* **Raskin, V. F.**) [Transl. from Russ.], 19.9-201
Method and device for determining the microstructure of clouds and fogs (*with* **Golikov, V. I.**) [Transl. from Russ.], 19.9-187
Scattering of light in a turbid medium [Transl. from Russ.], 19.6-2

hkoda, G. I.
Possibility of measuring precipitation over the ocean by the use of radar [Transl. from Russ.], 19.12-68
hpaikher, A. O.
Polar hydrological front in the Greenland and Norwegian Seas (*with* **Moretskii, V. N.**) [Transl. from Russ.], 19.1-559
hpak, I. S.
Water balance of the drained flood plain of the Trubezh River 1960-1963 (*with* **Zapol'skii, I. A.**) [Transl. from Russ.], 19.2-613
hul'man, L. M.
Influence of dissipation on plasma equilibrium in a magnetic field [Transl. from Russ.], 19.1-441
hved, G. M.
Approximation of the single line during the transfer of radiant energy in the upper atmosphere [Transl. from Russ.], 19.7-302
Method of computing the deviation from Kirchhoff's law in the mesosphere for the transfer of radiation in the 15-micron band of carbon dioxide [Transl. from Russ.], 19.7-303
On the heat effect of the 15-micron band of carbon dioxide in the upper atmosphere [Transl. from Russ.], 19.7-304
imonov, A. I.
Computation of the future salinity of the Sea of Azov and the northern Caspian Sea (*with* **Rodionov, N. A.** and **Zatuchnaia, V. M.**) [Transl. from Russ.], 19.4-677
itenko, A. G.
Electromagnetic fluctuations in plasma [Transl. from Russ.], 19.2-13
kakal'skii, B. G.
Basic geographical and hydrochemical characteristics of the local runoff of natural zones in the European territory of the U.S.S.R. [Transl. from Russ.], 19.10-793
kobel'tsyn, D. V.
Cosmic rays (*ed.*) [Transl. from Russ.], 19.4-10
kripin, G. V.
Contribution of solar particles to the diurnal variation of the neutron intensity (*with* **Krymskii, G. F.** and **Boltrushko, L. P.**) [Transl. from Russ.], 19.1-15
Diurnal variations in cosmic-ray intensity [Transl. from Russ.], 19.1-15
lukhai, I. A.
Russian rocketry: a historical survey [Transl. from Russ.], 19.11-62
mirnov, S. A.
Measurement of the amount of liquid precipitation in a dense precipitation-gage network [Transl. from Russ.], 19.10-146
okolov, A. L.
Drift of ice in the Arctic Basin and changes in ice conditions over the northern sea route [Transl. from Russ.], 19.2-581
ovetskaia Antarkticheskaia Ekspeditsiia, 1955-
Atlas of Antarctica, Vol. 1 [Transl. from Russ.], 19.1-47
peranskaia, A. A.
Influence of stability on the characteristics of vertical turbulent exchange in fresh-water reservoir [Transl. from Russ.], 19.7-810
Spichkin, V. A.
Is supercooling of water in the Antarctic possible? [Transl. from Russ.], 19.1-31
Stepanenko, Vladimir Danilovich
Radar in meteorology [Transl. from Russ.], 19.6-6
Stepanov, V. N.
Study of the main regularities in the water structure of the World Ocean [Transl. from Russ.], 19.2-559
Struzer, L. R.
Some experimental data on the behavior of temperature sensors in an anisotropic turbulent air stream (*with* **Lozovskii, V. V.**) [Transl. from Russ.], 19.9-176
Sulakvelidze, G. K.
Findings of the Caucasus Anti-Hail Expedition, 1965 [Transl. from Russ.], 19.8-214
Formation of precipitation and modification of hail processes (*with* **Bibilashvili, N. Sh.** and **Lapcheva, V. F.**) [Transl. from Russ.], 19.5-11
Syiko, A. A.
Research on wind-parameter transducers (*with* **Surazhskii, D. Ia.** and **Torochkov, V. Iu.**) [Transl. from Russ.], 19.11-148
Szczecinski, Czeslaw
Meteorology for all [Transl. from Polish], 19.6-5

T

Tabata, Tadashi
Studies of ice accumulation on ships, Pt. 1 (*with* **Iwata, S.** and **Ono, N.**) [Transl. from Japanese], 19.9-491
Takeuchi, Hitoshi
Debate about the Earth: approach to geophysics through analysis of continental drift (*with* **Uyeda, S.** and **Kanamori, H.**) [Transl. from Japanese], 19.11-26
Tammet, Kh. F.
Optimum characteristics of aspiration counters of atmospheric ions [Transl. from Russ.], 19.12-100
Tarakanov, G. G.
Vertical movements in the atmosphere over the Antarctic [Transl. from Russ.], 19.2-258
Taraszkiewicz, Wladyslaw
Characteristics of heavy rains and storms over Poland in the years 1956-1960 [Transl. from Polish], 19.10-421
Tiutnev, Ia. A.
Computation and forecast of ice phenomena in some ports of the Sea of Azov and of the Black Sea [Transl. from Russ.], 19.4-713
Tsurikova, A. P.
Variation of salinity with the mixing of water (*with* **Tsurikov, V. L.**) [Transl. from Russ.], 19.8-745

U

Usol'tsev, V. A.
Achievements in radio sounding and in the design

of network radiosondes (*with* **Manuilov, K. N.**) [Transl. from Russ.], 19.8-137

V

Vangengeim, G. Ia.
Hydrometeorology of the polar regions (*with* **Laktionov, A. F.**) (*eds.*) [Transl. from Russ.], 19.9-20
Significance of the rate of air movement in the diagnosis and forecast of features of atmospheric circulation and of the weather [Transl. from Russ.], 19.9-326
Vasil'chenko, I. V.
Study of the atmospheric boundary layer from ships (*with others*) [Transl. from Russ.], 19.8-101
Vasil'eva, G. V.
Hydrometeorological conditions causing ice accretion on ships [Transl. from Russ.], 19.8-421
Vavilov, Iu. N.
Apparatus for measuring the intensity of cosmic rays at great depths (*with others*) [Transl. from Russ.], 19.4-500
Vereshchagin, Iu. P.
Character of geomagnetic field disturbance in the Novolazarevskaya Station area in 1964 [Transl. from Russ.], 19.3-459
Vernov, S. N.
Primary cosmic radiation in the ultra-high-energy range and extensive air showers (*with others*) [Transl. from Russ.], 19.1-15
Vershinin, E. F.
Observations of the ultralow-frequency (ULF) radiation of polar aurorae (*with* **Ponomarev, E. A.**) [Transl. from Russ.], 19.1-15
Vil'iams, Vasilii Robertovich
Basic soil science for agriculture [Transl. from Russ.], 19.11-28
Villmann, Ch. I.
Importance of noctilucent cloud observations [Transl. from Russ.], 19.2-327
Vinogradov, Konstantin Aleksandrovich
Atlas of hydrological characteristics of the NW part of the Black Sea (*with* **Rozengurt, M. Sh.** and **Tolmazin, D. M.**) [Transl. from Russ.], 19.7-715
Vishnevskii, P. F.
Study of the causes of decreasing annual streamflow in the south of the Ukraine from 1948-1962 (*with* **Rubtsov, I. G.**) [Transl. from Russ.], 19.4-766
Vitkevich, V. V.
Predominantly radial magnetic field in the space about the Sun [Transl. from Russ.], 19.1-15
Vodogretskii, V. E.
Estimation of ground-water recharge by atmospheric precipitation and calculation of variations in the amounts of moisture in the ground of watersheds in a zone of insufficient moisture [Transl. from Russ.], 19.9-847
Vorob'ev, I. E.
Some problems concerning methods of meteorological observation in the Antarctic zone, and interpretation of observation results (*with others*) [Transl. from Russ.], 19.8-112
Vorontsov, P. A.
Program and techniques of atmospheric turbulence research on mountainous helicopter routes [Transl. from Russ.], 19.2-233
Vsesoiuznoe Nauchnoe Meteorologicheskoe Soveshchanie, 1st, Leningrad, 1961
Proceedings of the All-Union Meteorological Conference, Vol. 9, Instruments and methods for meteorological observations [Transl. from Russ.], 19.9-24
Vsesoiuznoe Soveshchanie po Kosmofizicheskomu Napravleniiu Issledovanii Kosmicheskikh Luchei, 1st, Yakutsk, Aug./Sept. 1962
Cosmic rays and problems of space physics [Transl. from Russ.], 19.1-15

Y

Yang, Chien Chu
Study of the mean interdiurnal pressure and temperature variability at the surface and of the mean interdiurnal altitude and temperature variability at the 300, 500 and 700-mb levels over China [Transl. from Chinese], 19.9-396

Z

Zamanmurad, Kh.
New method for determining soil moisture tension isotherms for the wetting branch (*with* **Frid, A. S.**) [Transl. from Russ.], 19.11-810
Zav'ialova, I. N.
Resultant winds over the Soviet Arctic (*wit* **Sergeeva, G. G.**) [Transl. from Russ.] 19.11-420
Zhukov, L. A.
Calculation of transport and temperature change in the upper water layer of North Atlanti Ocean [Transl. from Russ.], 19.6-684
Zonn, I. S.
Water-physical properties of the Eupharates [sic Valley soils (*with* **Limachev, N. S.**) [Trans from Russ.], 19.11-811

CUMULATIVE SUBJECT INDEX

Vol. 19, No. 1-12, Jan.–Dec. 1968

AMS, *see* American Meteorological Society
AN/FPS-77 radar
  Paulsen, W. H., 19.10-149
AN/TMQ-11 dewpoint sensor
  Weiss, B. D., 19.9-7
APTGS, *see* Automatic picture transmission ground station
AUTEC, *see* Atlantic Undersea Test and Evaluation Center
Aangstroem, Anders
  Anderson, R. et al., 19.10-280
Aangstroem's pyrheliometric scale
  Kyle, T. G., 19.5-124
Ablation
  Budd, W., 19.12-318
Absolute potential vorticity - ozone mixing ratio relationship
  Berggren, R., 19.12-157
Absorption band models
  Goldman, A. et al., 19.11-350
Absorption by carbon dioxide
  Bates, J. C., 19.6-302
  Kaplan, L. D., 19.8-341
Absorption by ozone
  Caton, W. M. et al., 19.5-222
  Bekoriukov, V. I. et al., 19.9-402
  Goldman, A. et al., 19.11-350
Absorption by sea water
  Kozlianinov, M. V. et al., 19.4-631
Absorption by water vapor
  Piatnenkov, B. A., 19.2-196
  Neporent, B. S. et al., 19.5-70
  Higgs, R. W. et al., 19.5-392
  Avaste, O. A., 19.7-309
Absorption coefficients
  Kosliakov, A. G. et al., 19.11-347
Absorption of radio waves
  Stankevich, K. S., 19.1-59
  Gjessing, D. T., 19.8-240
  Sauer, H. H., 19.9-602
  Bazlova, T. I., 19.10-189
Absorption spectra
  Quemerais, A. et al., 19.6-560
Abstracting and indexing services
  Smith, F. D., Jr., 19.4-22
Abyssal circulation
  Arons, A. B. et al., 19.1-553
  Shkudova, G. Ia., 19.4-672
Accuracy of meteorological measurements
  Sadovnikov, A. V., 19.10-83
Acoustic-gravity wave effects on ionosphere
  Lomax, J. B. et al., 19.12-496
Acoustic transponders
  Haehnle, R. J., 19.2-526; 19.3-623
  Spiess, F. N. et al., 19.4-626
Acoustic wave effects on ionosphere
  Rai, D. B. et al., 19.4-443
Acoustic wave reflection
  Pierce, A. D. et al., 19.7-492
Acoustical equipment
  Cline, J. B., 19.12-679
Acoustical gravity wave propagation
  MacKinnon, R. F., 19.4-276
  Gille, J. C., 19.11-307, 308
  Balachandran, N. K., 19.12-183
Acoustical measurements in shallow lakes
  Bobber, R. J., 19.6-746
Acoustical propagation
  Gille, J. C., 19.12-462
Acoustical propagation in atmosphere
  Kaman Nuclear, 19.10-509
Acoustical propagation in ionized plasmas
  Veselovskii, I. S., 19.5-525
Acoustical propagation in sea water
  Horn, D. R. et al., 19.8-716
Acoustical properties of snow
  Krasser, L. M. A., 19.12-405
Acoustical sounding of stratosphere
  Facy, L., 19.8-83
Acoustical transmission in sea water
  Konrad, W. L., 19.7-735
Acoustical waves
  Balcerzak, M. J., 19.8-494
  Zoby, E. V. et al., 19.8-495
Actinometric data
  Samukashvili, R. D., 19.10-293
Actinometric measurements
  Strokina, L. A., 19.9-368
Actinometric observation techniques
  Borisova, L. A. et al., 19.9-370
Actinometric observations on a lake
  Borisova, L. A. et al., 19.9-370
Adiabatic flow
  Stephens, J. J., 19.7-266
Adiabatic lapse rate
  Miller, M. E., 19.12-174
Adiabatic motion of charged particles
  Il'in, V. D., 19.7-625
Adrenal glands
  Milcu, St. M. et al., 19.11-360
Advection effects
  Shaw, R. H. et al., 19.11-430
Advection effects on evapotranspiration
  Nixon, P. R. et al., 19.8-411
Advection effects on local temperature
  Dmitriev, A. A. et al., 19.9-224
Advection effects on temperature stratification
  Stanchev, K. et al., 19.9-286
Advection equation
  Molenkamp, C. R., 19.7-267
Advection fog forecasting
  Lovisz, W. A., 19.6-57
Advection over crops
  Davenport, D. C. et al., 19.10-470
Advection theory
  Crowley, W. P., 19.4-208, 209
Advective temperature change
  Abramovich, K. G., 19.6-334
Aeolian geomorphology
  Cailleux, A., 19.6-338
Aerial cloud photographs
  Lee, J. T. et al., 19.9-499
Aerial crop surveys
  Borisoglebskii, G. I., 19.4-159

- **Aerial ice reconnaissance**
  - Bushuev, A. V. et al., 19.1-576
  - Iasonov, G. A., 19.5-728
  - Canada. Met. Branch, 19.9-799
- **Aerial infrared radiation thermometer measurements**
  - Wilkerson, J. C., 19.9-784
- **Aerial photogrammetry use in snow surveys**
  - Smith, F. M. et al., 19.6-418
- **Aerial photography**
  - Boileau, A. R., 19.8-464
  - Reich, H., 19.10-27
  - Avery, T. E., 19.10-58
- **Aerial photography of glaciers**
  - Bauer, A. et al., 19.5-721
- **Aerial photography of ice features**
  - Marshall, E. W., 19.6-727
- **Aerial sea ice reconnaissance**
  - Canada. Met. Branch, 19.5-704
- **Aerial sea ice surveys**
  - U. S. Naval Oceanog. Office, 19.5-705; 19.6-696; 19.8-748
- **Aerobiology**
  - Sreeramulu, T., 19.11-272
- **Aeroclimatic handbooks**
  - Dolgin, I. M., 19.3-11
- **Aeroclimatological observations**
  - Mueller, E., 19.9-162
- **Aeroclimatology**
  - Mueller, E., 19.9-162
- **Aerodynamic heat transfer**
  - Shouman, A. R., 19.7-49
- **Aerodynamic investigations**
  - Goodson, K. W., 19.6-22
  - Ailman, C. M. et al., 19.9-80
- **Aerodynamics of falling droplets**
  - Fendall, F. E. et al., 19.3-273
- **Aerological cross sections**
  - Gaigerov, S. S., 19.5-177
- **Aerological networks**
  - Alaka, M. A., 19.4-83
  - Gandin, L. S. et al., 19.4-84
  - Golyshev, G. I., 19.7-117
  - Gandin, L. S., 19.9-130
- **Aerological observatories**
  - Golyshev, G. I., 19.7-117
- **Aerological soundings**
  - Di Benedetto, F., 19.9-129
- **Aerological stations**
  - U. S. Weather Bur., 19.11-114
  - Vaisala News, Helsinki, 19.11-123
- **Aerology yearbook**
  - Rumania. Institutul Meteorologic, Bucharest, 19.11-53
- **Aeromagnetic surveys**
  - Fujita, N., 19.12-528
- **Aeronautical engineering**
  - Goodson, K. W., 19.6-22
  - Stevens, J. H., 19.10-51
  - McLemore, H. C. et al., 19.11-80
- **Aeronautical instruments**
  - Atmospheric Research Aircraft Instrumentation Workshop and Symposium, Oklahoma City, Nov. 1966, 19.2-15
- **Aeronautical meteorological conferences**
  - Atmospheric Res. Aircraft Instrumentation Workshop and Symposium, Oklahoma City, Nov. 1966, 19.2-15
  - Schwarz, U., 19.4-8
- **Aeronautics**
  - U. S. National Aeronautics and Space Admin., 19.4-14
  - Sealy, K. R., 19.11-81
- **Aeronautics bibliographies**
  - U. S. Air Force. Office of Aerospace Research, 19.3-33
- **Aeronomy**
  - Canon Amaro, C., 19.11-524
- **Aerosol absorption coefficient**
  - Bertram, F. W., 19.9-380
- **Aerosol chambers**
  - Borovskii, N. V. et al., 19.8-151
  - Ermoshina, L. I. et al., 19.8-152
- **Aerosol chemistry**
  - Junge, C. et al., 19.7-225
  - Bonis, K., 19.12-325
- **Aerosol collected papers**
  - Davies, C. N., 19.5-17
- **Aerosol composition**
  - Mossop, S. C. et al., 19.7-214
  - Bruevich, S. V. et al., 19.7-749
- **Aerosol concentration**
  - Clark, W. E. et al., 19.2-135
  - Spurny, K. R. et al., 19.9-489
  - Bullrich, K. et al., 19.12-144
- **Aerosol concentration in noctilucent clouds**
  - Witt, G., 19.9-563
- **Aerosol content of atmosphere**
  - Israel, H., 19.1-163
  - Dufour, L., 19.9-260
  - Fiocco, G., et al., 19.9-261
- **Aerosol counters**
  - Goldberg, L. J., 19.3-94
- **Aerosol deposition**
  - Stewart, R. E. et al., 19.1-150
- **Aerosol diffusion**
  - Stewart, R. E. et al., 19.1-150
  - Klepikova, N. V. et al., 19.8-231
- **Aerosol dispersion**
  - Johnson, O. et al., 19.1-139
  - Reiter, R. et al., 19.2-142
- **Aerosol effects on ice-forming substances**
  - Medaliev, Kh. Kh. et al., 19.7-380
- **Aerosol effects on radiation extinction**
  - Kondrat'ev, K. Ia. et al., 19.12-241
- **Aerosol electrification**
  - Liu, B. Y. H. et al., 19.9-254
- **Aerosol layer in upper atmosphere**
  - Sandford, M. C. W., 19.4-194
- **Aerosol measurement techniques**
  - Meszaros, A., 19.1-144
  - Shifrin, K. S. et al., 19.9-201
  - Fiocco, G., 19.9-262
  - Proctor, T. D., 19.11-270
- **Aerosol meters**
  - Akul'shina, L. G. et al., 19.8-149
  - Kaltionov, A. G., 19.8-153
- **Aerosol particle distribution**
  - Klepikova, N. V. et al., 19.8-231
  - Fletcher, R. D., 19.10-361
- **Aerosol particles**
  - Liu, B. Y. H. et al., 19.9-254
- **Aerosol particles at high altitudes**
  - Mikirov, A. E., 19.2-140
- **Aerosol production**
  - Mossop, S. C. et al., 19.7-214
- **Aerosol samplers**
  - Vittori, Antisari, O. et al., 19.4-108
  - Beliaev, S. P., 19.11-165
  - Laktionov, A. G., 19.11-167
- **Aerosol scattering coefficients**
  - Rozenberg, G. V. et al., 19.9-553
- **Aerosol size distribution**
  - Raskin, V. F., 19.1-334
  - Clark, W. E. et al., 19.2-135
  - Pueschel, R. F. et al., 19.3-140
  - Mossop, S. C. et al., 19.7-214
  - Georgii, H. W. et al., 19.9-263
  - Bullrich, K. et al., 19.12-144
- **Aerosol size measurements**
  - Laktionov, A. G., 19.8-153
- **Aerosol size spectrum**
  - Livshits, G. Sh. et al., 19.9-381
- **Aerosol size spectrum calculations**
  - Kolmakov, I. B. et al., 19.1-141
- **Aerosol size spectrum measurements**
  - Carnuth, W., 19.8-223
- **Aerospace research**
  - U. S. Air Force. Office of Aerospace Research, 19.3-33; 19.4-33

U. S. Air Force. Camb. Res. Labs., Bedford, Mass., 19.7-39
U. S. President, 1963–, (Johnson), 19.9-68
Holter, M. R., 19.10-641
Aerospace vehicle response to wind
Buell, C. E., 19.8-373
Aerospace yearbooks
Aerospace Year Book, Vol. 46, 1968, Wash., D. C., Books, Inc., 19.9-44
Afforestation
Winkler, E., 19.6-76
Afterglow spectra
Degen, V., 19.9-621
Age of meteorite craters
Gentner, W., 19.11-658
Age of meteorites
Gentner, W., 19.11-658
Age of ocean floor
Orowan, E., 19.8-740
Age of tektites
Gentner, W., 19.11-658
Ageostrophic wind shear
Kreitzberg, C. W., 19.3-244
Agricultural climatology
Cocheme, J., 19.6-68
Sapozhnikova, S. A., 19.6-451
Shaw, R. H., 19.7-23
Konstantinov, A. R. et al., 19.12-44
Agricultural diseases
Kahrs, R. F., 19.6-70
Agricultural economics
Landau, E., 19.6-207
Agricultural effects on surface waters
Verduin, J., 19.7-792
Agricultural hydraulics
Mahmood, K., 19.3-678
Agricultural hydrology
Jones, B. L., 19.6-737
Agricultural influences on erosion
Jones, B. L., 19.6-737
Agricultural influences on river runoff
Sharp, A. L. et al., 19.4-754
Jones, B. L., 19.6-737
Agricultural influences on runoff
Bass, S. V. et al., 19.6-797
Agricultural meteorology
Smith, L. P., 19.4-55; 19.5-45
Duckham, A. N., 19.7-53
Broadbent, L., 19.7-59
Hogg, W. H., 19.7-60
Chambers, R. E., 19.7-62
Ollerenshaw, C. B., 19.7-72
Hurst, G. W. et al., 19.7-440
Warboys, I. B., 19.7-443
Taylor, J. A., 19.7-467
De Wiljes, H. G. et al., 19.9-94
Fitzpatrick, E. A. et al., 19.10-55
Agricultural phenology
Duckham, A. N., 19.7-53
Agroclimatic conditions
Mikhailov, A. N., 19.4-379
Chapman, L. J. et al., 19.12-43
Agroclimatic data
Weedfall, R. O. et al., 19.7-56
Agroclimatic evaluation
Brown, D. M. et al., 19.4-378
Agroclimatic regions
Shashko, D. I., 19.2-12
De Fina, A. L. et al., 19.2-53
Mikhailov, A. N., 19.4-379
Kalmykova, V. V., 19.8-60
Agroclimatological investigations
Yoshino, M. M., 19.1-55
Cocheme, J. et al., 19.8-13
Agroclimatological research
Dickerson, W. H. et al., 19.11-83
Papadakis, J., 19.12-25
Gol'tsberg, I. A., 19.12-438
Agrometeorological conditions
Zheltaia, N. N., 19.4-45
Shaw, L. H., 19.8-462
Agrometeorological conditions for grain crops
Ivanova-Zubkova, N. Z., 19.4-161
Agrometeorological conditions for maize
Chirkov, Iu. I., 19.4-160
Agrometeorological conditions for winter wheat
Ulanova, E. S., 19.4-167
Agrometeorological conferences
Taylor, J. A., 19.5-20
Agrometeorological cooperation
Smith, L. P., 19.5-45
Agrometeorological forecasting
Smith, L. P., 19.4-55
Moiseichik, V. A., 19.4-162
Protserov, A. V., 19.4-164
Utrata, A., 19.7-187
Agrometeorological forecasts
Sinel'shchikov, V. V., 19.9-92
Farm Journal, Phil., 19.12-139
Agrometeorological observations
Dmitrenko, V. P. et al., 19.9-147
Agrometeorological research
Konstantinov, A. R., 19.1-37
Giurova, M., 19.6-73
Taylor, J. A., 19.7-442
Krasnianskaia, V. P. et al., 19.8-50
Dermine, P. et al., 19.8-54
Chernysheva, L. S., 19.8-57, 58
Kalmykova, V. V., 19.8-61
Kramar, L. M., 19.8-63, 64
Hewitt, C. W., 19.12-363
Agrometeorological services
Smith, L. P., 19.4-55
Agrometeorological studies
Changnon, S. A., Jr. et al., 19.3-38
Iwakiri, S., 19.7-57
Smith, L. P. et al., 19.7-73
Agrometeorological syllabi
De Villiers, G. D. B. et al., 19.7-37
Agrometeorological symposia
Brady, N. C., 19.7-22
Agrometeorological textbooks
Shashko, D. I., 19.2-12
Wang, J. Y., 19.6-3
Agrometeorology bibliographies
Germany (Federal Republic). Deutscher Wetterdienst, 19.7-44
Agrometeorology yearbooks
Rumania. Inst. Met., Bucharest, 19.10-103
Agulhas Current
Boisvert, W. E., 19.7-745
Air density
Robinson, G. D., 19.10-219
Air density calculations
Landini, M. et al., 19.9-252
Air density derived from satellite orbits
Priester, W. et al., 19.1-94
Cook, G. E. et al., 19.4-173
Cook, G. E., 19.5-65
King-Hele, D. G., 19.5-162
Smith, D. E. et al., 19.5-164
Marov, M. Ia., 19.6-195
King-Hele, D. G. et al., 19.8-220
Jacchia, L. G. et al., 19.9-251
King-Hele, D. G. et al., 19.10-187
Air density effects on pendulum oscillations
Bonatz, M., 19.6-193
Air density measurement techniques
Thompson, M. C., Jr., 19.9-126
Air density variations
King-Hele, D. G., 19.9-277
Faust, H., 19.10-460
Air drag capture
Shapiro, I. I. et al., 19.1-148
Air drag effect on satellite orbits
Cook, G. E. et al., 19.7-632
Air flow around obstacles
Kasahara, A., 19.3-259
Dabberdt, W. F., 19.9-46
Alexander, A. J., 19.11-380
Bearman, P. W., 19.11-381
Armitt, J., 19.11-382
Air flow deformation
Dabberdt, W. F., 19.9-467

- Air flow over islands
  - Wilkins, E. M., 19.4-207
- Air flow over mountains
  - Kasahara, A., 19.3-259
  - Patsaeva, V. A., 19.5-275
  - Ertel, H., 19.6-241
- Air flow over obstacles
  - Lacaze, J., 19.5-274
  - Larsen, L. H., 19.10-393
- Air flow over oceans
  - Seesholtz, J. R., 19.11-11
- Air flow through snow cover
  - Fan, S. S. T. et al., 19.12-400
- Air-leaf temperature relationships
  - Linacre, E. T., 19.6-446
- Air mass effects on solar aureole intensity
  - Rydgren, B., 19.12-621
- Air mass identification
  - Desai, B. N., 19.9-294
- Air mass modification over sea
  - Ninomiya, K., 19.2-280
- Air mass precipitation relationships
  - Maiorskaia, S. V. et al., 19.2-181
- Air mass transparency
  - Edgerton, C. F., 19.9-551
- Air motion in severe storm measurements
  - Booker, D. R. et al., 19.10-269
- Air navigation aids
  - Gierhart, G. D. et al., 19.11-101
- Air parcel trajectories
  - Montalto, M. et al., 19.9-299
- Air purification equipment
  - Penney, G. W., 19.11-269
- Air route meteorology
  - Marchenko, A. S., 19.3-35
- Air route temperatures
  - Kreitzberg, C. W., 19.3-36
- Air route winds
  - Chardonnal, G., 19.7-107
  - Galerkina, K. A., 19.9-86
- Air sampling and analysis
  - Gat, J. R. et al., 19.10-190
  - Corn, M. et al., 19.10-194
  - Bryan, R. J., 19.11-258
- Air-sea boundary processes
  - Charnock, H. et al., 19.8-244
- Air-sea interaction
  - Hume, J. D. et al., 19.1-570
  - Stewart, H. B., Jr., 19.5-27
  - Kraus, E. B. et al., 19.5-625
  - Namias, J., 19.10-423
- Air-sea interaction observing techniques
  - McFadden, J. D. et al., 19.5-683
- Air-sea temperature differences
  - Byshev, V. I., 19.7-316
- Air-sea temperature relationships
  - Ivanov, V. M., 19.4-660
  - Kryndin, A. N., 19.8-736
- Air showers
  - Fegan, D. J. et al., 19.7-569
- Air–snow temperature relationships
  - Korolev, A. I., 19.11-358
- Air–soil temperature relationships
  - Salazanov, V. V., 19.2-228
- Air stream effects on spatial temperature
  - Komarov, V. S., 19.7-317
- Air temperature–soil temperature relationships
  - Bednarek, A., 19.9-408
- Airborne cloud drop sampler
  - Spyers-Duran, P. A. et al., 19.3-90
  - Nevzorov, A. N., 19.8-130
  - Ichimura, I. et al., 19.10-81
- Airborne diseases
  - Kahrs, R. F., 19.6-70
- Airborne expeditions
  - Brandhorst, W. et al., 19.8-732
- Airborne hygrometers
  - Jones, F. E., 19.10-142
- Airborne infrared mapping systems
  - Brown, D. R. et al., 19.10-135
- Airborne infrared sensors
  - Brown, D. R. et al., 19.10-135
- Airborne instruments
  - Pettit, K. G., 19.10-143
- Airborne magnetometers
  - Fujita, N., 19.12-528
- Airborne meters
  - Axford, D. N., 19.12-81
- Airborne photometers
  - Doherty, L. R., 19.11-142
- Airborne radiometers
  - Lorenz, D., 19.6-317
  - Clark, H. L., 19.8-733
  - Jalink, A., Jr. et al., 19.11-344
- Airborne temperature recorders
  - Johnson, W. B., Jr., 19.5-126
- Airborne weather radar
  - Davis, L. G., 19.3-282
  - Merritt, L. P., 19.8-147
  - U. S. Fed. Aviation Admin. Acad., 19.10-150
- Aircraft, *see* Airplane
- Airglow
  - Weill, G., 19.4-475
- Airglow bibliographies
  - Roach, F. E., 19.4-28
- Airglow data
  - World Data Center A [for] Airglow, Ionosphere Aurora, Cosmic Rays, Geomagnetism [and] Solar Activity, ESSA, Boulder, Colo., 19.2-82
- Airglow intensities
  - Sears, R. D., 19.3-418
- Airglow observation techniques
  - Nardone, L. J., 19.9-622
- Airglow observations
  - Steiger, W. R., 19.2-419
- Airglow research
  - Chapman, S., 19.3-23
  - Roach, F. E., 19.4-28
- Airglow spectra
  - Broadfoot, A. L. et al., 19.5-440
  - Sparrow, J. G. et al., 19.7-562
- Airglow spectroscopy
  - Hunten, D. M. et al., 19.1-407
  - Broadfoot, A. L. et al., 19.5-440
  - Huppi, E. R., 19.7-560
- Airglow theories
  - Warneck, P. et al., 19.1-408
- Airplane albedo observations
  - Korzov, V. I. et al., 19.1-208
- Airplane aurora observations
  - Johnson, R. G. et al., 19.2-399
- Airplane bumpiness
  - Pchelko, I. G. et al., 19.6-58
- Airplane cloud data analysis
  - Dubrovina, L. S., 19.11-124
- Airplane cloud photographs
  - Vederman, J. et al., 19.3-280
  - Regula, H., 19.6-383
- Airplane humidity observations
  - Squires, P., 19.3-75
- Airplane instrumentation
  - Dascher, A. J., 19.3-70
  - Kahle, D. A., 19.10-120
  - Webb, L. D., 19.12-82
- Airplane investigations
  - Weber, F., 19.6-266
- Airplane landing
  - Snyder, C. T., 19.10-50
  - Stevens, J. H., 19.10-51
- Airplane landing aids
  - St. John, O. B. et al., 19.7-473
  - Gainer, C. A. et al., 19.8-49
  - Harrison, G., 19.10-90
- Airplane location
  - Robinson, G. G., 19.2-48
- Airplane meteorological instruments
  - Petersen, E. V., 19.3-73
- Airplane meteorological soundings
  - Rudloff, W. et al., 19.2-81
  - Klieforth, H., 19.3-72
  - Kahle, D. A., 19.10-120
- Airplane motion measurement techniques
  - Schlitt, H., 19.2-49
  - Frey, E. J., 19.2-83
- Airplane observation data processing
  - Kosso, E. V., 19.2-84
  - Dascher, A. J., 19.3-70
  - Kahle, D. A., 19.10-120

Airplane observation of atmospheric electricity
  Kasemir, H. W., 19.3-71
  Anderson, R. V., 19.5-375
  Kraskevik, J. H. et al., 19.11-517
Airplane observation of clouds
  Weickmann, H. K. et al., 19.2-85
  Cummingham, R. M., 19.2-279
  Squires, P., 19.3-75
  Laktionov, A. G., 19.7-388
  Sutherland, J. L., 19.12-93
Airplane observation of ionosphere
  Vasil'ev, K. N., 19.7-538
Airplane observation of sea currents
  Wilkerson, J. C., 19.9-784
Airplane observation of sky brightness
  Moore, J. G. et al., 19.3-208
Airplane observation of thunderstorms
  Vasil'ev, A. A. et al., 19.11-82
Airplane observation of turbulence
  Litvinova, V. D., 19.9-427
Airplane observation of upper air winds
  Reiter, E. R., 19.3-74
Airplane observation of waterspouts
  Woodley, W. L. et al., 19.3-197
Airplane observation techniques
  McFadden, J. D. et al., 19.5-683
Airplane oceanographic research
  Lazarenko, N. N., 19.6-643
Airplane performance
  A'Harrah, R. C., 19.11-77
Airplane radiation thermometers
  Beckner, C. F., Jr., 19.9-168
Airplane response to atmospheric turbulence
  Snyder, C. T., 19.10-50
  A'Harrah, R. C., 19.11-77
  Gault, J. D. et al., 19.11-78
Airplane responses to turbulence
  Kordes, E. E. et al., 19.2-237
  Fuller, J. R., 19.6-56
  Swaim, R. L. et al., 19.6-59
  Lappe, U. O., 19.6-324
Airplane surface temperature measurements
  Lorenz, D., 19.6-317
Airplane turbulence observation techniques
  Reiter, E. R., 19.3-74
  Lappe, U. O., 19.6-324
Airplane turbulence observations
  Peckham, C. G., 19.1-249
  Hicks, J. J. et al., 19.2-236
  Dutton, J. A., 19.4-29
  Hemmerich, K. H., 19.4-285
  Colquhoun, J. R. et al., 19.8-380
  Vinnichenko, N. K. et al., 19.9-431
  Hunter, P. A., 19.11-79
Airplane weather reconnaissance
  Klieforth, H., 19.3-72
Airplane wind estimation
  Robinson, G. G., 19.2-48
Airport climatic data
  U. S. Air Weather Service, 19.5-40
Airport landing aids
  Harrison, G., 19.10-90
Airport temperatures
  Lawrence, E. N., 19.7-318
Airport terminal forecasting
  Moorman, T., Jr., 19.8-192
Airport visibility
  Aleksaniants, S. M. et al., 19.5-39
  St. John, O. B. et al., 19.7-473
Airport visibility control
  Myers, J. N., 19.1-49
Airport visibility data
  Maine, R., 19.10-486
Airport visibility measurement techniques
  Finch, D. M. et al., 19.10-484
Aitken nuclei
  Allee, P. A., 19.5-289
Albedo calculation
  Linton, R. C., 19.10-288
Albedo charts
  Borhidi, A. et al., 19.1-206
  Winston, J. S. et al., 19.4-247
Albedo computations
  Dirmhirn, I., 19.12-88
Albedo distribution
  Borhidi, A. et al., 19.1-206
  Arking, A. et al., 19.5-219
Albedo effect of the dust on snow
  Lamb, H. H., 19.12-229
Albedo effects on insolation
  Coulson, K. L., 19.12-240
Albedo effects on potential evapotranspiration
  Jackson, R. D., 19.6-363
Albedo in polar regions
  Bloch, M. R., 19.8-715
Albedo instruments
  Dirmhirn, I., 19.12-88
Albedo measurements
  Miller, W. D. et al., 19.6-296
Albedo of clouds
  Feigel'son, E. M., 19.1-292
  Ruff, I. et al., 19.7-305
  Gutshabash, S. D., 19.7-310
  Griggs, M. et al., 19.8-327
  Kattawar, G. W. et al., 19.8-328
  Plass, G. N. et al., 19.9-372
  Salomonson, V. V. et al., 19.10-289
Albedo of cosmic rays
  Teegarden, B. J., 19.1-422
  Ray, E. C., 19.3-436
Albedo of drifting ice
  Chernigovskii, N. T., 19.12-223
Albedo of Earth
  Franklin, F. A., 19.1-207
  Arking, A. et al., 19.5-219
  Linton, R. C., 19.10-288
Albedo of Earth's surface
  Korzov, V. I. et al., 19.1-208
  Russman, I. B., 19.1-209
  Tsitsenko, G. V., 19.9-356
  Murkhenberg, V. V., 19.9-371
Albedo of glaciers
  Konovalov, V. G., 19.12-770
Albedo of ice
  Koptev, A. P., 19.2-204
Albedo of illuminated medium
  Weinman, J. A. et al., 19.7-306
Albedo of land surfaces
  Murkhenberg, V. V., 19.9-371
Albedo of leaf surfaces
  Moldau, Kh., 19.6-297
Albedo of Moon
  Adams, J. B., 19.2-493
  Filice, A. L., 19.2-495
Albedo of natural surfaces
  Griggs, M. et al., 19.8-327
  Coulson, K. L., 19.12-240
Albedo of planets
  Fontana, A., 19.6-295
  Kahle, A. B., 19.7-311
  Irvine, W. M., 19.12-594
Albedo of reservoirs
  Kiuchukova, M., 19.2-203
Albedo of sea surfaces
  Russman, I. B., 19.1-209
Albedo of snow
  Koptev, A. P., 19.2-204
  Salomonson, V. V. et al., 19.10-289
  Samukashvili, R. D., 19.10-293
Albedo of soil
  Black, A. L. et al., 19.8-326
Albedo of Venus
  Zander, R., 19.3-558
Albedo of water surfaces
  Kirillova, T. V. et al., 19.1-205
Albedo variations
  Samukashvili, R. D., 19.10-293
Aletsch Glacier
  Schoenbaechler, M., 19.5-213
Aleutian low
  Golovin, G. N., 19.9-327

Alfalfa cultivation
Freyman, S. et al., 19.5-293
Alfalfa culture
Dermine, P. et al., 19.8-54
Alfven waves
Van'ian, L. L. et al., 19.1-442
Liatskii, V. B., 19.3-481
Gerwin, R., 19.6-537
Unti, T. W. J. et al., 19.9-642
Cross, R. C. et al., 19.12-50
Algorithms
Marchuk, G. I., 19.1-117
Longyear, J. Q., 19.1-463
Tolstikov, E. E. et al., 19.4-61
Sviridova, M. A. et al., 19.4-143
Blokh, Ia. L. et al., 19.5-443
Alkalinity of sea water
Turekian, K. K. et al., 19.4-643
Dyrssen, D. et al., 19.6-661
All-weather flying
ICAO Bulletin, April 1968, All weather operations, 19.10-49
All–weather landing
St. John, O. B. et al., 19.7-473
Gainer, C. A. et al., 19.8-49
Alluvial formations
Baluta, D., 19.8-775
Alpenglow
Rawlings, G. C. I., 19.5-360
Alphonsus crater
Phillips, J. G. et al., 19.1-477
Alpine meteorological conferences
Internat. Congress on Alpine Met., Sept. 1966, 19.6-24
Alpine meteorology
Gressel, W., 19.5-352
Altitude effects on condensation nuclei
Laktionov, A. G., 19.7-388
Altitude effects on precipitation
Affronti, F., 19.5-318
Altitude effects on runoff
Moore, D. O., 19.12-813
Altocumulus lenticularis
Grandjean, J., 19.4-328
Aluminum oxide hygrometers
Morrissey, J. F., 19.1-109
Aluminum-26 in ice
McCorkell, R. et al., 19.4-725
Aluminum works effects on air pollution
Morik, J. et al., 19.12-148
Alvin instrumentation
Marquet, W. M., 19.11-696
Amateur meteorologists
Whiten, A. J., 19.10-42
Amateur weather instrument construction
Hartley, G. E. W., 19.5-128
American Meteorological Society
Battan, L. J., 19.9-55
American Meteorological Society activities
Beckman, J. C., 19.3-84
O'Lone, R. G., 19.9-56
American Meteorological Society meetings
O'Lone, R. G., 19.9-56
Battan, L. J., 19.9-65
Amery Ice Shelf
Kusunoki, K., 19.11-746
Budd, W. et al., 19.11-776
Amino acids in precipitation
Sidle, A. B., 19.5-302
Ammonia reflectance measurements
Zander, R., 19.3-556
Ammonia spectra
Zander, R., 19.3-556
Ammonium ions
Bada, J. L. et al., 19.10-728
Analog forecasting
Lorenz, E. N., 19.11-197
Rahau, L. et al., 19.12-134
Analog selection
Lenova, G. V., 19.11-196
Analytical calculus
Kagan, R. L., 19.12-63
Anchovy ecology
Brandhorst, W. et al., 19.9-739
Anemographs
Poggi, A. et al., 19.6-147
Longheto, A. et al., 19.7-148
Protopopov, N. G., 19.12-90
Anemometer accuracy
Kung, R. J. et al., 19.7-147
Anemometer errors
Wiggins, W. L., 19.6-148
Anemometers
Schroers, H., 19.7-149
Morrison, J. G., 19.11-149
Anemometry
Kung, R. J. et al., 19.7-147
Anemorhumbometers
Smirnov, S. A., 19.4-107
Aneroid barometer corrections
Di Benedetto, F., 19.9-129
Aneroid capsule errors
Okada, Y., 19.7-146
Angel echo measurement techniques
Atlas, D. et al., 19.6-230
Angel echoes
Naito, K., 19.6-109
Unthank, E. L., 19.7-116
Angle of incidence measurements
Hunter, W. R., 19.8-318
Angular momentum flux
Holopainen, E. O., 19.5-196
Angular momentum transfer
Kung, E. C., 19.10-239
Animal bioclimatology
Ashcroft, G. L., 19.11-506
Animal body heat regulation
Wiersma, F. et al., 19.9-388
Animal ecology
Bianca, W., 19.6-80
Vibe, C., 19.7-71
Animal physiology
McDowell, R. E., 19.7-66
Ulberg, L. C., 19.7-67
Anisotropic scattering
Vanmassenhove, F. R. et al., 19.6-458
Annotated bibliographies
Vitale, C. S., 19.2-43
Ichiye, T., 19.4-27
Paulhus, J. L. H., 19.9-75
Nal'chik, U.S.S.R. Vysokogorni Geofizicheskii Institut, 19.12-11
U. S. Natl. Aero. & Space Adm., 19.12-40
Annual circulation patterns
Andrews, J. F., 19.9-152
Annual climatic data summaries
Sneyers, R., 19.4-89
Switzerland. Met. Zentral., 19.7-123
Saison 1966-1967 des perturbations..., France. Met. Nat.: Bulletin, Jan. 1968, 19.10-100
Genoa Univ. Inst. Geofisico. Osservatorio Met., 19.12-27
Iorns, W. V. et al., 19.12-29
Annual cloudiness variations
Haensch, W. et al., 19.1-294
Gavrilova, L. D. et al., 19.4-333
Annual erosion potential
Mech, S. J. et al., 19.7-349
Annual forestry reports
U. S. Inst. for Telecom. Sci., Colo., 19.9-46
Annual geological reports
U. S. Geol. Survey, 19.11-56
Annual hurricane reports
Gustafson, A. F., 19.9-153
Annual hydrological data summaries
Iorns, W. V. et al., 19.12-29
Annual hydrological reports
Ecuador. Serv. Nac. de Met. e Hidr., 19.9-47
Annual meteorological data summaries
Mauritius. Meteorological Dept., 19.1-43
Panama. Direccion de Estadistica y Censo, 19.7-120
Milan. Semin. Arciv. Osserv. di Fis. Terr., 19.8-95
Spain. Servi. Met. Nac., 19.9-155

Iranian Oil Operating Companies. Air Serv., 19.10-102
Rumania. Inst. Met., Bucharest, 19.10-103
South Africa. Weather Bureau, 19.10-104
Belgium. Institut Royal Meteorologique, 19.11-50
Finland. Meteorologiska Centralanstalten, 19.11-129
Korea. Central Met. Obs., 19.11-132
India, Met. Dept., 19.12-28

Annual meteorological reports
Mauritius. Meteorological Dept., 19.1-43
Australia. Commonwealth Scientific and Industrial Research Organization. Division of Meteorological Physics, 19.1-45
Germany (Federal Republic). Deutscher Wetterdienst, 19.3-17
Netherlands. Met. Inst., 19.7-118, 119

Annual nuclei variations
Allee, P. A., 19.5-289

Annual oceanographic reports
U. S. Navy Electronics Lab., San Diego, Calif., 19.3-10
Australia. Commonwealth Scientific and Industrial Research Organization. Div. of Fisheries and Oceanography, 19.4-599

Annual precipitation maps
Krska, K., 19.10-417

Annual precipitation trends
Spar, J. et al., 19.8-437

Annual precipitation variations
Krska, K., 19.10-417

Annual radiation balance variations
Samukashvili, R. D., 19.11-338

Annual radiation reports
Belgium. Institut Royal Meteorologique, 19.5-83
Belgium. Inst. Royal Meteorologique, 19.12-70

Annual radiation variations
Kubota, I., 19.11-341

Annual rainfall data
British Rainfall, London, 19.11-51

Annual rainfall variations
Takenouchi, T., 19.7-781

Annual reports
Canadian Geophysical Bulletin, Ottawa, Dec. 1966, 19.2-36
U. S. Air Force. Office of Aerospace Research, 19.4-33
U. S. Weather Bureau, 19.4-169
Canada. Forestry Branch, 19.9-46
Smithsonian Institution, Wash., D.C., 19.10-26
U. S. Atomic Energy Com., 19.11-55
Giorgi, M., 19.11-64
Natl. Center for Atmospheric Research, Boulder, Colo., 19.11-69

Annual river flow calculations
Golubtsov, V. V. et al., 19.11-206

Annual runoff forecasting
Rozh'estvenskii, A. V., 19.2-115

Annual runoff variation calculation
Rozh'estvenskii, A. V., 19.2-115

Annual runoff variations
Rozh'estvenskii, A. V., 19.2-115

Annual sea ice reports
Canada. Met. Branch, 19.11-747

Annual sea level variations
Smirnova, K. I. et al., 19.11-202

Annual temperature
Arkhangel'skii, V. L., 19.3-213

Annual temperature variations
Hofmeyr, W. L., 19.9-394
Kubota, I., 19.11-341

Annual upper air temperature variations
Nitzschke, P., 19.11-368

Annual weather summaries
Ecuador. Serv. Nac. de Met. e Hidr., 19.9-43
Booth, R. E., 19.10-99; 19.10-105

Antarctic air circulation
Tauber, G. M., 19.3-169
Schwerdtfeger, W., 19.4-219
Buttenberg, M. et al., 19.5-191

Antarctic air masses
Schwerdtfeger, W., 19.4-219

Antarctic anticyclones
Tauber, G. M., 19.3-169

Antarctic atlases
Mercer, J., 19.5-716
Weyant, W. S., 19.6-34

Antarctic atmospheric composition
Cadle, R. D. et al., 19.2-130

Antarctic atmospheric structure
Hirling, G., 19.9-268

Antarctic auroras
Briunelli, B. E., 19.3-147
Moiseev, B. S., 19.3-410
Faylor, R. C., 19.4-464
Blundell, G., 19.5-431
Morozumi, H. M., 19.6-552

Antarctic bibliographies
Antarctic Bibliography, Wash., D.C., Vol. 2, 19.5-37

Antarctic blizzards
Wishart, E. R. et al., 19.12-458

Antarctic circulation
Bugaev, V. A. et al., 19.12-193
White, F. D., Jr. et al., 19.12-204

Antarctic circulation types
Davidova, N. G., 19.12-194
Kutzbach, G. et al., 19.12-262

Antarctic Circumpolar Current
Gill, A. E., 19.10-748

Antarctic circumpolar vortexes
Zhdanov, L. A., 19.12-198

Antarctic climate
Rundle, A. S., 19.4-87
Weyant, W. S., 19.4-91
Tolstikov, E. I., 19.7-127

Antarctic climatic data
South Africa. Weather Bureau, 19.4-372
Phillpot, H. R., 19.5-340

Antarctic climatology
Weyant, W. S., 19.6-34

Antarctic convergence
Ledenev, V. G., 19.3-642
Boguslavskii, S. G., 19.4-648

Antarctic cosmic ray investigations
Pomerantz, M. A., 19.4-496

Antarctic cosmic rays
Bowthorpe, M., 19.7-565
Boyd, J. S. et al., 19.10-586

Antarctic cyclones
Tauber, G. M., 19.3-169
Van Loon, H., 19.12-266

Antarctic expeditions
Decleir, H., 19.6-117

Antarctic exploration
Tolstikov, E. I., 19.7-127
U. S. Antarctic Research Program, 19.7-128
Webb, W. J., 19.10-37

Antarctic gales
Streten, N. A., 19.10-367

Antarctic geology
Frakes, L. A. et al., 19.10-777

Antarctic geomagnetic activity
Bowman, G. G., 19.1-29
Zhigalov, L. N., 19.3-493
Morozumi, H. M., 19.6-552
Zhigalov, L. N., 19.9-54
Kokubun, S., 19.12-534

Antarctic geomagnetic observations
Hastings, J. V., 19.4-524

Antarctic geomagnetism
Wasilewski, P. J., 19.2-32
Nagata, T., 19.6-530
Alldredge, L. R. et al., 19.6-538

Behrendt, J. C. et al., 19.9-36
Antarctic geophysical studies
Coroniti, S. C. et al., 19.4-412
Antarctic glaciological studies
Evteev, S. A., 19.3-668
Merlivat, L. et al., 19.3-673
Oura, H., 19.7-760
Antarctic glaciology
Jiracek, G. R., 19.10-769
Antarctic heat budget
Flohn, H., 19.5-209
Antarctic ice
Walford, M. E. R., 19.7-435
Budd, W., 19.12-318
Antarctic ice budget
Bardin, V. I. et al., 19.6-722
Loewe, F., 19.6-724
Antarctic ice cap mass budget
Rundle, A. S., 19.4-733
Antarctic ice investigation
Picciotto, E. E., 19.7-434
Antarctic ice sheet
Barkov, N. I., 19.3-303
Ivanov, V. B., 19.3-310
Robinson, E. S., 19.7-769
Gow, A. J., 19.12-419
Antarctic ice sheet topography
Kapitsa, A. P., 19.6-723
Antarctic ice shelves
Ivanov, V. B. et al., 19.3-309
Budd, W. et al., 19.11-776
Antarctic ice studies
Treshnikov, A. F., 19.7-775
Antarctic icebergs
Treshnikov, A. F., 19.7-775
Antarctic instrument performance
Vorob'ev, I. E. et al., 19.8-112
Antarctic ionosphere
Bowman, G. G., 19.1-29
Briunelli, B. E., 19.3-147
Golysheva, M. A. et al., 19.3-381
Zborovskaia, I. M., 19.3-404
Coroniti, S. C. et al., 19.4-412
Pomerantz, M. A., 19.4-441
Reid, G. C. et al., 19.4-444
Stephens, C. P. et al., 19.4-452
Titheridge, J. E. et al., 19.6-506
Antarctic isoporic charts analysis
Orlov, V. P. et al., 19.8-580
Antarctic katabatic winds
Mather, K. B. et al., 19.11-393
Morita, Y., 19.12-286
Antarctic lakes
Shpaikher, A. O., 19.2-596
Calkin, P. E. et al., 19.4-737
Antarctic meteorological data
Australian National Antarctic Research Expeditions, 19.1-28
Gaigerov, S. S., 19.2-3
Dolganov, L. V., 19.3-65
Rundle, A. S., 19.4-87
Japan. Met. Agency, Tokyo, 19.8-98
Vorob'ev, I. E. et al., 19.8-112
U. S. Environmental Data Serv., 19.11-134
Antarctic meteorological summaries
Dolgin, I. M., 19.2-75
Weyant, W. S., 19.4-91
Antarctic meteorology
Rusin, N. P., 19.3-46
Antarctic meteorology bibliographies
Int. Antarc. Met. Res. Ctr., Melbourne, 19.6-48
Antarctic meteorology problems
Vorob'ev, I. E. et al., 19.8-112
Antarctic meteorology research
Roberts, C. L., Jr., 19.4-54
Weyant, W. S., 19.4-57
Kusunoki, K., 19.7-126
Antarctic micrometeorology
Dingle, R. et al., 19.4-375
Antarctic nacreous clouds
Kilfoyle, B. P., 19.11-515
Antarctic noctilucent clouds
Kilfoyle, B. P., 19.11-515
Antarctic Ocean circulation
Neiman, V. G., 19.3-643
Antarctic oceanographic investigations
Gordon, A. L., 19.4-609
Antarctic pack ice
Vowinckel, E., 19.3-665
Antarctic polar vortex - atmospheric circulation relationships
Phillpot, H. R., 19.12-201
Antarctic radiation balance
Piatnenkov, B. A., 19.2-196
Artem'ev, A. N., 19.3-201
Antarctic radiation regime
Marshunova, M. S. et al., 19.2-195
Artem'ev, A. N., 19.3-201
Antarctic radiation studies
Khelkhovski, V., 19.3-204
Dalrymple, P. C. et al., 19.4-241
Antarctic radio wave propagation studies
Aralov, D. P., 19.2-335
Crary, J. H., 19.4-48
Biggs, A. W. et al., 19.12-468
Antarctic research
Symposium on Pacific-Antarctic Sciences, Univ. of Tokyo, Aug. 23-27, 1966, 19.2-20
Treshnikov, A. F., 19.2-80
Silkin, B. I., 19.4-92
Nelson, B., 19.11-70
Antarctic research programs
U. S. Antarctic Res. Prog., 1966-1967, 19.2-31
Reynolds, D. K. et al
19.4-557
Webb, W. J., 19.10-37
Nelson, B., 19.11-70
Antarctic sea ice
Stonehouse, B., 19.1-32
Leont'ev, E. B., 19.2-250
Baranov, G. I., 19.2-576
Weller, G., 19.4-715
Oura, H., 19.7-760
Schwerdtfeger, P., 19.7-761
Antarctic shore ice
Spichkin, V. A., 19.2-552
Antarctic snow
Walford, M. E. R., 19.7-435
Antarctic snow cover
Dubrovin, L. I. et al., 19.2-29
Petrov, V. N. et al., 19.2-29
Barkov, N. I. et al., 19.3-30
303
Ivanov, V. B. et al., 19.3-30
310
Kotliakov, V. M. et al
19.3-312, 313
Petrov, I. G., 19.3-317
Ivanov, V. B., 19.3-325
Dingle, R. et al., 19.4-375
Rundle, A. S., 19.4-733
Orheim, O., 19.8-451
Benson, C. S., 19.12-395
Gow, A. J., 19.12-419
Antarctic stations
Von Wald, W. A., Jr., 19.4-13
Antarctic stratospheric circulation
Gaigerov, S. S., 19.9-406
Antarctic stratospheric warmin
Berson, F. A., 19.5-233
Nitzschke, P., 19.5-236
Shen, W. C. et al., 19.8-346
Barbe, G. D. et al., 19.9-27
Gaigerov, S. S., 19.9-406
Antarctic synoptic processes
Schwerdtfeger, W., 19.4-21
Buttenberg, M. et al., 19.5-19
Antarctic temperature profile
Smirnov, V. G., 19.3-215
Antarctic topography
Bardin, V. I. et al., 19.6-72
Kapitsa, A. P., 19.6-723
Antarctic tropopause
Pratner, G. D., 19.12-151
Antarctic upper air data
U. S. Environmental Dat
Serv., 19.11-134
Antarctic weather
Lipovka, A. V., 19.3-359
Antarctic winds
Sergeeva, G. G. et al
19.3-234
Lettau, H. H. et al., 19.4-29
Mather, K. B. et al., 19.11-39
Antenna arrays
Ma, M. T. et al., 19.6-90
Ma, M. T., 19.11-42

Antenna design
Ehrenspeck, H. W., 19.6-571
Antenna performance
Ogawa, T. et al., 19.3-533
Proctor, L. L., 19.6-92
Internat. Radio Consultative Comm., 19.8-619
Swift, C. T., 19.11-105
Anticyclone circulation
Makhover, Z. M., 19.9-350
Anticyclone development
Taljaard, J. J., 19.3-192
Anticyclone distribution
Taljaard, J. J., 19.3-192
Anticyclone frequencies
Pogosian, Kh. P. et al., 19.3-190
Kryzhanovskaia, A. P., 19.11-326
Anticyclone mechanics
Kleinschmidt, E., 19.6-279
Anticyclone movement
Taljaard, J. J., 19.3-192
Seilkopf, H., 19.4-144
Colokitina, L. A. et al., 19.5-201
Fujita, T. et al., 19.9-349
Anticyclone winds
Volokitina, L. A. et al., 19.5-201
Anticyclonic persistence
Makhover, Z. M., 19.9-350
Antilles Current
Maloney, W. E., 19.6-18
Anti-matter in Earth's atmosphere
Fesenkov, V., 19.8-662
"Anton Bruun" cruises
Humes, A. G., 19.2-521
Shomura, R. S., 19.2-529
Ryther, J. H., 19.5-622
"Anton Bruun" Expedition, 1966
Chin, E., 19.2-525
Anvils
Lacaze, J., 19.10-390
Apollo Program
Hughes Aircraft Co. Space Systems Div., 19.5-22
Warren, C. S. et al., 19.7-52
Geonautics, Inc., Wash., D.C., 19.7-82
Aronowitz, L. et al., 19.10-674
Applied climatology methods
Griffiths, J., 19.12-421
Applied climatology research
Zavarina, M. V., 19.12-423
Applied geological dictionaries
Nelson, A. et al., 19.3-34
Applied hydrodynamics textbooks
Vallentine, H. R., 19.5-2
Applied hydrology
Chow, Ven Te, 19.12-30
Applied mathematics
Vallentine, H. R., 19.5-2
Aquatic sciences bibliographies
Food and Agricultural Organization of the U. N., Rome, 19.2-44
Arch–filament systems
Bruzek, A., 19.8-682
Archeological investigations
Raikes, R., 19.6-14
Archeomagnetic investigations
Krs, M., 19.1-431
Bucur, I., 19.10-614
Kitazawa, K. et al., 19.12-531
Arctic and Antarctic winters
Gaigerov, S. S., 19.12-261
Arctic bibliographies
Laktionov, A. F. et al., 19.3-31
Arctic biology
Arctic biology, 19.11-43
Arctic circulation types
Girs, A. A., 19.12-195
Arctic expeditions
Morozov, S. T., 19.10-28
Arctic geography
Gorbatskii, G. V., 19.10-11
Arctic geomagnetic activity
Zhigalov, L. N., 19.3-493
Arctic geomagnetic disturbances
Zhigalova, N. N., 19.5-490, 491
Arctic geomagnetism
Miliaev, N. A., 19.3-449
Galkin, R. M., 19.5-466
Nagata, T., 19.6-530
Arctic glaciological studies
Field, W. O. et al., 19.4-728
Govorukha, L. S., 19.11-775
Arctic heat balance
Orvig, S., 19.3-162
Arctic heat balance - atmospheric circulation relationships
Girs, A. A., 19.2-163
Arctic heat balance - world climate relationships
Fletcher, J. O., 19.11-333
Arctic heat economy
Orvig, S., 19.3-162
Flohn, H., 19.5-209
Donn, W. L. et al., 19.6-285
Arctic ice forecasting
Volkov, N. A. et al., 19.5-707
Kirillov, A. A., 19.12-751
Arctic ice islands
Sokolov, A. L., 19.2-581
Arctic ice melting
Donn, W. L. et al., 19.6-285
Arctic ice movement
Sokolov, A. L., 19.2-581
Arctic ice research
Iakovlev, G. N., 19.2-579
Arctic influences on general circulation
Fletcher, J. O., 19.11-333
Arctic ionosphere
Landmark, B., 19.11-541
Arctic meteorological research
Wash. (State) Univ. Dept. of Atmospheric Sciences, 19.12-57
Arctic navigation
Mustafin, N. V., 19.12-663
Arctic oceanography
Mustafin, N. V., 19.12-663
Arctic radiation balance
Ovchinnikov, L. F., 19.8-82
Arctic radiation balance studies
Ahrnsbrak, W. F., 19.10-279
Arctic radiation regime
Marshunova, M. S. et al., 19.2-195
Fovinkel', E. et al., 19.4-254
Arctic research
Treshnikov, A. F., 19.2-80
Doumani, G. A., 19.10-36
Arctic research in meteorology
Bader, H. et al., 19.7-38
Arctic research program
Wash. (State) Univ. Dept. of Atmospheric Sciences, 19.12-57
Arctic sea ice
Nikiforov, E. G. et al., 19.1-265
Bushuev, A. V. et al., 19.1-575
Kudriavtsev, N. F., 19.2-249
Iakovlev, G. N., 19.2-579
Sokolov, A. L., 19.2-581
Gudkovich, Z. M., 19.4-700
U. S. Naval Oceanog. Off., 19.6-696, 706; 19.8-748; 19.12-750
Arctic snow cover
Benson, C. S., 19.12-395
Arctic stratospheric circulation
Gaigerov, S. S., 19.9-406
Arctic stratospheric warmings
Gaigerov, S. S., 19.9-406
Arctic tides
Maksimov, I. V. et al., 19.6-689
Arctic tundra
Kelley, J. J., Jr. et al., 19.10-191
Arctic upper atmosphere
Martynkevitch, G. M. et al., 19.8-256
Areal precipitation estimation
Rainbird, A. F., 19.7-398
Areal rainfall calculation
Derco, V. S., 19.8-430
Argentine Meteorological Service
Shishkin, N. S., 19.3-16
Argentine participation in IQSY
National programme [in Argentina] for IQSY..., IQSY, 4th Assembly, 1967, 19.10-112

Argon
  Levenson, L. L., 19.6-373
Arid climates
  Ambe, Y., 19.2-319
Arid land development
  Kuzkov, A. A., 19.7-452
Arid zone agriculture
  Fried, M. et al., 19.9-814
  Whyte, R. O., 19.11-505
Arid zone climatology
  Wallen, C. C., 19.11-504
Arid zone development
  Hills, E. S., 19.11-502
Arid zone hydrology
  Tamers, M. A., 19.10-475
  Dixey, F., 19.12-779
Arid zone hydrometeorological conditions
  Jagannathan, P. et al., 19.7-406
Arid zone irrigation
  Jewitt, T. N., 19.11-84
Arid zone research
  Hills, E. S., 19.11-502
Arid zone research institutions
  Paylore, P., 19.11-65
Arid zone soils
  Jewitt, T. N., 19.11-84
Arid zones
  Hills, E. S., 19.11-34
Aridity index
  Wallen, C. C., 19.2-320
Aridity index-geobotanic relationships
  Borzenkova, I. I., 19.9-360
Aridity trend
  Ambe, Y., 19.2-319
Aristarchus
  Chapman, W. B., 19.6-599
Armagh planetarium
  Moore, P., 19.7-636
Artesian wells
  Schenk, E., 19.5-766
Artificial airglow
  Kofsky, I. L., 19.2-413
  Stair, A. T., Jr. et al., 19.2-418
Artificial auroras
  Boquist, W. P. et al., 19.2-394
  Stair, A. T., Jr. et al., 19.2-418
Artificial chemiluminescent clouds
  Jonnson, E. R. et al., 19.7-239
Artificial climates
  Marwick, C., 19.5-158
Artificial cloud dispersal
  Giese, R. H. et al., 19.6-105
Artificial cloud modification
  Walczewski, J., 19.5-159
Artificial condensation nuclei formation
  Twomey, S. et al., 19.9-487
Artificial discharge waves
  Rusinov, M. I., 19.7-96
Artificial fog dissipation
  Pilie, R. J. et al., 19.2-125
Artificial fog formation
  Borovskii, N. V. et al., 19.8-151
Artificial ice-forming aerosols
  Gaivoronskii, I. I. et al., 19.9-246
Artificial ice nuclei sources
  Davis, C. I. et al., 19.10-402
Artificial influences on ice melting
  Peschanskii, I. S., 19.12-760
  Konovalov, V. G., 19.12-772
Artificial noctilucent clouds
  Fogle, B., 19.9-557
Artificial precipitation
  Douglas, W. J., 19.11-234
Artificial precipitation reports
  Collection of data from cloud seeding..., Berkeley Symp. on Math. Stat. and Prob., 1965-66, 19.7-202
  Compania de Luz y Fuerza del Centro, S.A., 19.10-182
Artificial precipitation stimulation
  Dominick, P., 19.3-133
  Gabriel, K. R., 19.6-190
  Bowen, E. G., 19.8-203
  Prikhot'ko, G. F., 19.10-3
  Leonov, M. P. et al., 19.11-10
  Adderley, E. E., 19.11-226
  Reedy, W. W. et al., 19.11-244
  Spar, J., 19.11-250
  Schickedanz, P. T. et al., 19.12-141
  Zaverina, M. V. et al., 19.12-343
Artificial precipitation symposia
  Stinson, J. R., 19.11-251
  Stinson, P. J., 19.11-252
Artificial radiation belt decay
  Vampola, A. L., 19.9-630
Artificial radiation belts
  Grigor'ev, Iu. G. et al., 19.7-50
  Higgins, P. W. et al., 19.7-51
Artificial radioactivity layer–snow accumulation relationships
  Lambert, G. et al., 19.6-421
Artificial radionuclides
  Zindler, H., 19.6-229
Artificial rain stimulation
  Biswas, K. R. et al., 19.2-126
  Schmid, P. et al., 19.3-134
  Bilancini, R., 19.6-187
  Perez Siliceo, E., 19.8-211
  Koscielski, A. et al., 19.9-249
  Berry, E. X., 19.11-448
Artificial rainfall evaluation
  Decker, W. L. et al., 19.7-206
Artificial recharge of ground water
  Foxworthy, B. L. et al., 19.5-765
Artificial satellites
  Toussaint, M., 19.10-651
Artificial sodium clouds
  Derblom, H. et al., 19.1-394
  Maseide, K., 19.3-409
Artificial space charging
  Bradley, W. E. et al., 19.4-396
Artillery meteorology
  Lowenthal, M. J., 19.9-161
Asian anticyclone
  Makhover, Z. M., 19.9-350
Asian monsoons
  Kao, Y. H., 19.9-28
Aspiration psychrometers
  Konstantinov, A. R. 19.11-151
Asteroid mass distribution
  Jones, J., 19.10-689
Astroblemes
  Crook, K. A. W., 19.1-495
Astronautics
  U. S. Nat'l Aeronautics an Space Admin., 19.4-14
Astronautics bibliographies
  U. S. Air Force. Office o Aerospace Research, 19.3-3
Astronautics research
  U. S. President, 1963 (Johnson), 19.9-68
Astronautics research and development
  Creel, T. R., Jr. et al., 19.9-8
Astronomical almanacs
  Brahde, R., 19.1-457
Astronomical instruments
  Brown, P. L., 19.10-653
Astronomical meteorology
  Pirozhnyi, N. A., 19.8-17
Astronomical observatories
  Heard, J. F. et al., 19.5-541
  Cimino, M., 19.6-609
  Jefferies, J. T., 19.6-610
  Dizer, M., 19.11-611
Astronomical observers handbooks
  Royal Astron. Soc. of Canada 19.8-28
Astronomical research
  Smith, H. J., 19.1-458
Astronomy
  Pirozhnyi, N. A., 19.8-17
  Bourquin, L. B., 19.12-10
Astronomy bibliographies
  Astronomischer Jahresbericht Berlin, 19.11-49
Astronomy manuals
  Michaux, C. M., 19.5-573
Astronomy yearbooks
  Astronomischer Jahresbericht Berlin, 19.11-49
  Sao Paulo, Brazil (City) Observatorio, 19.11-54
Astrophysical conferences
  Lunar Internat. Lab. Sympos 1965, 19.6-30
  Symp. on Cosmical Ga Dynamics, Nice, 1965

  - 19.9-32
  - Greenberg, J. M. et al., 19.11-40
- Astrophysical instruments
  - Ball, W. F. et al., 19.8-624
  - Jacobs, H. et al., 19.8-626
- Astrophysical journals
  - Astrophysics & Space Science, 19.11-57
- Astrophysical magnetohydrodynamics
  - Scargle, J. D., 19.8-628
- Astrophysical observatories
  - Khetsuriani, Ts. S., 19.2-479
  - Nagasawa, S., 19.2-480
- Astrophysical processes
  - McKee, C. F., 19.8-627
- Astrophysical research
  - Engvold, O., 19.3-602
  - Sagan, C., 19.8-625
  - Rodgers, A. W. et al., 19.8-630
  - Gopasiuk, S. I., 19.12-619
- Astrophysics
  - Gould, R. J., 19.6-566
  - Lingenfelter, R. E., 19.11-681
- Astrophysics and space science
  - Astrophysics & Space Science, 19.11-57
- Astrophysics textbooks
  - Tandberg-Hanssen, E., 19.10-12
- Atlantic currents
  - Chaplygin, E. I., 19.11-731
- Atlantic Equatorial undercurrent
  - Metcalf, W. G. et al., 19.1-565
- Atlantic Expedition (IQSY), 1965
  - Dunckel, M., 19.1-68
  - Hinzpeter, H., 19.1-569
  - Rose, G. et al., 19.5-419
- Atlantic Undersea Test and Evaluation Center (AUTEC)
  - Fine, S., 19.8-711
- Atlantis Cruise No. 266
  - Bumpus, K. et al., 19.5-618
- Atlases
  - Tripp, R. T., 19.5-21
  - Salishchev, K. A., 19.9-37
- Atmometry
  - Williams, G. D. V., 19.3-89
  - Derycke, R. J., 19.3-268
  - Shannon, J. W., 19.7-152
- Atmosphere radiative transfer
  - Rodgers, C. D., 19.7-268
- Atmospheric absorption
  - Caton, W. M. et al., 19.5-222
  - Gebbie, H. A. et al., 19.8-338
  - Kisliakov, A. G. et al., 19.11-347
  - Moeller, F., 19.12-218
  - Gautier, D. et al., 19.12-616
- Atmospheric absorption bands
  - Drayson, S. R. et al., 19.8-336
- Atmospheric absorption of electromagnetic energy
  - Carter, C. J. et al., 19.9-256
- Atmospheric activity
  - Aksenov, A. N. et al., 19.12-603
- Atmospheric aerosol
  - Rozenberg, G. V., 19.2-143
  - Davies, C. N., 19.5-17
  - Dufour, L., 19.9-260
- Atmospheric aerosol concentrations
  - Zavodsky, D., 19.10-197
- Atmospheric attenuation
  - Griggs, M. et al., 19.8-327
- Atmospheric bismuth
  - Gat, J. R. et al., 19.10-190
- Atmospheric boundary layer flow
  - Armitt, J. et al., 19.7-337
- Atmospheric boundary layer hydrodynamics
  - Priestley, C. H. B., 19.10-341
- Atmospheric boundary layer turbulence
  - Monin, A. S., 19.10-336
- Atmospheric carbon dioxide distribution
  - Keeling, C. D., 19.12-142
- Atmospheric centers
  - Maximov, I. V., 19.12-200
- Atmospheric chemistry
  - Thomas, L. et al., 19.4-175
  - Josephs, M. et al., 19.6-25
  - Dalgarno, A., 19.6-196
- Atmospheric circulation
  - Ludlam, F. H., 19.1-132
  - Hidy, G. M., 19.9-2
  - Andrews, J. F., 19.9-152
- Atmospheric circulation analysis
  - Charney, J. G., 19.3-123
- Atmospheric circulation changes
  - Ramaswamy, C., 19.9-151
  - Saltzman, B., 19.11-485
  - Girs, A. A., 19.12-195
- Atmospheric circulation characteristics
  - Maklakova, N. A., 19.5-239
- Atmospheric circulation—climate relationships
  - Borixov, A. A., 19.6-8
- Atmospheric circulation - climatic change relationships
  - Lamb, H. H., 19.12-433
- Atmospheric circulation conferences
  - Study Conf. on Global Atmos. Res. Programme (GARP), Stockholm, 1967, 19.7-16
- Atmospheric circulation disturbances
  - Bjerknes, J., 19.3-164
- Atmospheric circulation dynamics
  - Iudin, M. I., 19.1-185
  - Rakipova, L. R., 19.2-147
  - Davies, D. R. et al., 19.3-172
  - Gambo, K., 19.3-175
  - Kasahara, A. et al., 19.3-177
  - Priestley, C. H. B., 19.3-179
  - Vernekar, A. D., 19.3-181
  - Keshava Murty, R. N., 19.5-197
  - Henning, D., 19.6-254
  - Raethjen, P., 19.6-256
  - Gavrilin, B. L., 19.7-278
  - Mintz, Y., 19.7-280
  - Purganskii, V. S., 19.8-293
  - Van Mieghem, J., 19.8-294
  - Ramage, C. S., 19.10-251
  - Monin, A. S. et al., 19.11-273
  - Davidova, N. G., 19.12-194
  - Fultz, D. et al., 19.12-196
- Atmospheric circulation effects
  - Godson, W. L., 19.3-166
- Atmospheric circulation fluctuations
  - Reshetov, V. D., 19.5-198
  - Purganskii, V. S., 19.8-293
- Atmospheric circulation - global radiation relationships
  - Kriester, B., 19.11-336
- Atmospheric circulation models
  - Dobryshman, E. M. et al., 19.3-174
  - Gavrilin, B. L., 19.7-278
- Atmospheric circulation - oceanic circulation relationships
  - Soskin, I. M., 19.11-320
- Atmospheric circulation oscillations
  - Iudin, M. I., 19.1-185
  - Reshetov, V. D., 19.1-186
- Atmospheric circulation over Africa
  - Novozhilova, N. I. et al., 19.11-317
- Atmospheric circulation over Europe
  - Montalto, M. et al., 19.10-249
- Atmospheric circulation over India
  - Ananthakrishnan, R. et al., 19.3-170
- Atmospheric circulation over North Atlantic
  - Sorkina, A. I. et al., 19.11-319
- Atmospheric circulation over North Pacific
  - Sorkina, A. I. et al., 19.11-319
- Atmospheric circulation pattern transformation
  - Girs, A. A., 19.9-324
- Atmospheric circulation patterns
  - Bolotinskaia, M. Sh., 19.9-322

Atmospheric circulation regimes
Kashcheev, B. L. et al., 19.12-197
Zhdanov, L. A., 19.12-198
Maximov, I. V., 19.12-200

Atmospheric circulation–sea ice relationships
Zakharov, V. F., 19.4-716

Atmospheric circulation–sea level relationships
Diubkin, I. A. et al., 19.2-541

Atmospheric circulation–temperature regime relationships
Novskaia, A. I., 19.8-172

Atmospheric circulation theories
Burstyn, H. L., 19.6-253
Sokhov, T. Z. et al., 19.11-318

Atmospheric circulation types
Nikolaev, Iu. V. et al., 19.10-168
Battalov, F. Z., 19.11-12

Atmospheric composition
Hitchcock, D. R. et al., 19.1-136

Atmospheric composition measurement techniques
Leonard, D. A., 19.4-67
Donahue, T. M., 19.11-115

Atmospheric conductivity
Buis, P. M., 19.4-391

Atmospheric convection cells
Lebedev, S. L., 19.9-309

Atmospheric density distribution–frontal structure relationships
Kliucharev, S. S., 19.8-351

Atmospheric diffusion
Pasquill, F., 19.1-252

Atmospheric diffusion calculations
Gifford, F. A., Jr. et al., 19.4-213

Atmospheric diffusion experiments
Stewart, R. E., 19.9-265

Atmospheric diffusion studies
Angell, J. K. et al., 19.10-117

Atmospheric dispersion over land and sea
Van der Hoven, I., 19.6-330

Atmospheric dynamics
Priestley, C. H. B., 19.10-341

Atmospheric eddies
Wilkins, E. M., 19.4-207

Atmospheric effects on astronomical observations
Kolchinskii, I. G., 19.1-243

Atmospheric effects on cosmic rays
Kangas, J. et al., 19.10-591
Kokkoniemi, J. et al., 19.10-592

Atmospheric effects on materials
Endo, K. et al., 19.4-47

Atmospheric effects on radio wave propagation
Internat. Radio Consultative Comm., 19.8-273
Millman, G. H., 19.8-274
Bolgiano, R., Jr., 19.9-290
Rogers, T. F., 19.11-103

Atmospheric effects on solar radio emissions
Iurovskii, Iu. F., 19.11-616

Atmospheric effects on sonic booms
Garrick, I. E. et al., 19.10-48

Atmospheric electric currents
Buis, P. M., 19.4-391

Atmospheric electricity
Imianitov, I. M. et al., 19.2-5
Chalmers, J. A., 19.6-17
Lebeau, A. et al., 19.9-592

Atmospheric electricity anomalies
Cobb, W. E., 19.5-378

Atmospheric electricity data
Gherzi, E. E., 19.2-329
Cobb, W. E., 19.9-566
India, Met. Dept., 19.12-28

Atmospheric electricity effects on biological processes
Delariu, E. M., 19.5-359

Atmospheric electricity - fog relationships
Jaskowska, A., 19.4-392

Atmospheric electricity instruments
Cobb, W. E., 19.9-204
Dalu, G. et al., 19.9-205

Atmospheric electricity measurement techniques
Kasemir, H. W., 19.3-71
Anderson, R. V., 19.5-375

Atmospheric electricity measurements
Cobb, W. E. et al., 19.5-376
Kraskevik, J. H. et al., 19.11-517

Atmospheric electricity research
Kasemir, H. W., 19.5-377
Israel, H. et al., 19.8-480

Atmospheric electricity textbooks
Hellman, H., 19.8-32

Atmospheric electricity theories
Krasnogorskaia, N. V., 19.3-367
Blanchard, D. C. et al., 19.5-379
Paltridge, G. W., 19.8-481
Webb, W. L., 19.8-482

Atmospheric electricity–weather relationships
Gherzi, E., 19.10-496

Atmospheric electrification–stratospheric tidal motion relationships
Webb, W. L., 19.10-497

Atmospheric energetics
Dutton, J. A. et al., 19.1-171
Wallace, J. M., 19.1-173
Murakami, T., 19.2-170
Garstang, M. et al., 19.3-155
Blumen, W., 19.5-184
Wiin-Nielsen, A., 19.6-239
Johnson, D. R., 19.6-255
Lockwood, J. G., 19.11-298

Atmospheric evolution
Fellows, R. F., 19.1-131
Berkner, L. V. et al., 19.1-134
Rasool, S. I., 19.2-129
Cloud, P. E., Jr., 19.11-383

Atmospheric gases
NBS studies atmospheric gases..., U. S. NBS, Tech. News Bull., 1968, 19.10-188

Atmospheric gravity wave effects on ionosphere
Hines, C. O., 19.12-484

Atmospheric lead
Gat, J. R. et al., 19.10-190

Atmospheric measurements
Lenschow, D. H. et al., 19.3-68

Atmospheric models
Leith, C. E., 19.3-157
Peirson, D. H. et al., 19.8-277
Baumhefner, D. P., 19.9-302
Martin, F. L. et al., 19.12-244

Atmospheric moisture transport evaluation
Palmen, E., 19.9-815

Atmospheric motion
Ludlam, F. H., 19.1-132
Dickinson, R. E., 19.7-8
Hidy, G. M., 19.9-2

Atmospheric noise level variations
Nakai, T., 19.10-508

Atmospheric nuclei
Dufour, L., 19.9-260

Atmospheric optical data
Boileau, A. R., 19.12-446

Atmospheric optics
Barteneva, O. D. et al., 19.1-8
Marchuk, G. I. et al., 19.2-323
Howard, J. N. et al., 19.4-242
Bullrich, K. et al., 19.7-298
Boileau, A. R., 19.8-464
Romanova, L. M., 19.11-512

Atmospheric optics conferences
Rozenberg, G. V., 19.4-387

Atmospheric optics research
Poliakova, E. A. et al., 19.12-448

Atmospheric optics textbooks
Hellman, H., 19.8-32

Atmospheric oscillations
Dikii, L. A., 19.4-211

Golitsyn, G. S. et al., 19.4-212
Palumbo, A., 19.10-319
Atmospheric oxygen
Lenoir, W. B., 19.3-145
Atmospheric particle diffusion
Kao, S. K., 19.9-305
Atmospheric physics
Matveev, L. T., 19.9-1
Vassy, A., 19.9-267
Baumhefner, D. P., 19.9-302
Fehsenfeld, F. C. et al., 19.12-455
Atmospheric physics research
Houghton, J. T., 19.6-51
Borovskii, N. V. et al., 19.8-164
Mosino Aleman, P. A., 19.9-67
Atmospheric physics textbooks
Hidy, G. M., 19.9-2
Atmospheric pollutants
Lichtenstein, S., 19.7-229
Atmospheric pollution
Manolov, L. et al., 19.1-143
Onesta, P. A., 19.7-231
Corn, M. et al., 19.10-194
Burtsev, I. I. et al., 19.11-256
Bryan, R. J., 19.11-258
Byrd, J. F. et al., 19.11-259
Lodge, J. P., 19.11-261
Atmospheric pollution analysis
Dubois, J. et al., 19.4-139
Chollet, R. et al., 19.6-200
Kertesz, M., 19.7-226
Tebbens, B. D., 19.8-238
Morik, J. et al., 19.12-148
Atmospheric pollution and agriculture
Hoover, S. R. et al., 19.6-206
Landau, E., 19.6-207
Middleton, J. T., 19.6-210
Walker, K. C., 19.6-220
Atmospheric pollution and health
Neuwirth, R., 19.6-212
Wise, W., 19.9-6
Kaloianova, F. et al., 19.10-195
Atmospheric pollution calculations
Gifford, F. A., Jr., 19.4-288
Nester, K., 19.6-211
Prinz, B. et al., 19.7-232
Hoegstroem, U., 19.11-265
Atmospheric pollution chemistry
Haagen-Smit, A. J. et al., 19.8-228
Atmospheric pollution climatology
Schwegler, H., 19.7-233
Atmospheric pollution conferences
Riazanov, V. A. et al., 19.5-172
Atmospheric pollution control
Coe, E. L., Jr. et al., 19.2-136
Fohl, T., 19.2-137
Hilst, G. R., 19.3-139
Riazanov, V. A. et al., 19.5-172
Stern, A. C., 19.6-26
Berliand, M. E., 19.6-198
Budzinski, K., 19.6-199
Merriman, G. M., 19.6-209
Neuwirth, R., 19.6-212
Reifferscheid, H., 19.6-216
Drees, W., 19.7-222
Kiyoura, R., 19.7-227
Clarke, J. H., 19.8-225
Crow, L. W., 19.8-226
Hilst, G. R., 19.8-229
Murphy, E. F., 19.9-5
Kaloianova, F. et al., 19.10-195
Skvortsova, N. N. et al., 19.10-196
Hewson, E. W., 19.11-257
Lodge, J. P., 19.11-261
Gusev, M. I. et al., 19.12-145
Atmospheric pollution damage to trees
Hansbrough, J. R., 19.6-204
Atmospheric pollution data
Parker, A., 19.6-213
Holl, R., 19.12-146
Atmospheric pollution deposition
Haagen-Smit, A. J. et al., 19.8-228
Atmospheric pollution diffusion
Holzworth, G. C., 19.3-140
Singer, I. A., 19.3-228
Atmospheric pollution dispersal
Szepesi, D., 19.1-151
Fohl, T., 19.2-137
Marsh, K. J. et al., 19.2-139
Ramenskii, L. A., 19.2-141
Slade, D. H., 19.2-144
Cook, A. K., 19.3-138
Lilly, D. K. et al., 19.4-278
Gifford, F. A., Jr., 19.4-288
Munn, R. E. et al., 19.4-290
Stackpole, J. D., 19.6-173
Berliand, M. E., 19.6-198
Budzinski, K., 19.6-199
Grasnick, K. H., 19.6-203
Nester, K., 19.6-211
Reifferscheid, H., 19.6-216
Slade, D. H., 19.6-218
Vadot, L. et al., 19.6-219
Went, F. W., 19.6-221
Prinz, B. et al., 19.7-232
Clarke, J. H., 19.8-225
Crow, L. W., 19.8-226
Hilst, G. R., 19.8-229
Kelenffy, S. et al., 19.8-230
Mees, Q. M., 19.8-234
Wanta, R. C., 19.8-239
Strom, G. H., 19.8-381
Hoegstroem, U., 19.11-265
Atmospheric pollution distribution
Szepesi, D., 19.1-151
Slade, D. H., 19.2-144
Atmospheric pollution effects
Stern, A. C., 19.6-26
Atmospheric pollution effects on animals
Merriman, G. M., 19.6-209
Jaffe, L. S., 19.7-224
Atmospheric pollution effects on cancer
Kertesz, M., 19.7-226
Atmospheric pollution effects on climate
Probald, F., 19.6-215
Mohnen, V. et al., 19.11-254
Atmospheric pollution effects on crops
Daines, R. H. et al., 19.6-201
McCune, D. C. et al., 19.6-208
Lovelace, J. et al., 19.7-230
Atmospheric pollution effects on fog formation
Robinson, E., 19.8-236
Atmospheric pollution effects on health
Jaffe, L. S., 19.7-224
Atmospheric pollution effects on plants
Daines, R. H. et al., 19.6-201
McCune, D. C. et al., 19.6-208
Lahmann, E., 19.8-232
Martin, J. F. et al., 19.11-267
Atmospheric pollution effects on radiation
Peterson, J. T. et al., 19.11-348
Atmospheric pollution effects on visibility
Pueschel, R. F. et al., 19.3-141
Robinson, E., 19.8-236
Buchan, W. E. et al., 19.10-485
Atmospheric pollution estimation
Slade, D. H., 19.6-218
Gusev, M. I. et al., 19.12-145
Atmospheric pollution forecasting
Cook, A. K., 19.3-138
Stackpole, J. D., 19.6-173
McDaniel, W. R., 19.12-126
Atmospheric pollution instrumentation
Hewson, E. W., 19.11-257
Atmospheric pollution instruments
Marsh, K. J. et al., 19.2-106
Nickola, P. W. et al., 19.3-95
Benarie, M. et al., 19.8-150
Debrun, G., 19.11-166
Avy, A. P. et al., 19.12-143

Atmospheric pollution measurement techniques
Dubois, J. et al., 19.4-139
Epstein, S. S. et al., 19.6-95
Mrose, H. et al., 19.11-268
Atmospheric pollution measurements
Grasnick, K. H., 19.6-203
Neuwirth, R., 19.6-212
Lichtenstein, S., 19.7-229
Dorn, M. et al., 19.10-194
Avy, A. P. et al., 19.12-143
Atmospheric pollution meteorology
Weedfall, R. O., 19.4-181
Crow, L. W., 19.8-226
Hilst, G. R., 19.8-229
McCormick, R. A., 19.8-233
Wanta, R. C., 19.8-239
Atmospheric pollution over urban areas
Miller, M. E., 19.12-174
Atmospheric pollution potentials
Holzworth, G. C., 19.3-140
Harada, A. et al., 19.7-223
Atmospheric pollution-precipitation relationships
Schaefer, V. J., 19.11-460
Atmospheric pollution profiles
Kelenffy, S. et al., 19.8-230
Atmospheric pollution reactions
Haagen-Smit, A. J. et al., 19.8-228
Atmospheric pollution reports
Kurchatova, G. et al., 19.12-147
Atmospheric pollution sources
Walker, K. C., 19.6-220
Went, F. W., 19.6-221
Scorer, R. S., 19.7-234
Atmospheric pollution studies
Stern, A. C., 19.6-26
Leone, I. A. et al., 19.7-228
Bourelly, T., 19.8-222
Chambers, L. A., 19.8-224
Murphy, E. F., 19.9-5
Atmospheric pollution surveys
Mees, Q. M., 19.8-234
Tanaka, K., 19.9-266
Kurchatova, G. et al., 19.12-147
Atmospheric pollution variations
Lawrence, E. N., 19.2-138
Ludwig, F. L. et al., 19.7-469
Sladek, I., 19.7-470
Atmospheric pollution–weather relationships
Pasic, H., 19.5-171
McCormick, R. A., 19.8-233
Tanaka, K., 19.9-266
Mohnen, V. et al., 19.11-254
Vvedenskaia, L. I. et al., 19.12-150
Atmospheric potential gradient measurements
Dalu, G. et al., 19.9-205
Atmospheric pressure–precipitation relationships
Rakoczi, F., 19.9-420
Atmospheric pressure variations
Byshev, V. I., 19.7-316
Atmospheric radio noise propagation
Vasileva, S., 19.1-362
Atmospheric radioelectrical layers
Misme, P., 19.10-213
Atmospheric reflectance
Boileau, A. R., 19.12-446
Atmospheric refraction
Byson, J., 19.7-474
Atmospheric refractive index properties
Gjessing, D. T., 19.10-212
Atmospheric research
Kondrat'ev, K. Ia., 19.12-58
Atmospheric Research Aircraft Instrumentation Workshop and Symposium, Oklahoma City, Nov. 1966
Atmos. Res. Aircraft Instrument. Workshop and Symposium, Oklahoma City, Nov. 1966, 19.2-15
Atmospheric science development
Battan, L. J., 19.9-55
Atmospheric science research center
Colo. State Univ., Ft. Collins, 19.8-45
Atmospheric sciences curricula
American Met. Society, 19.12-32
Atmospheric sciences encyclopedia
Fairbridge, R. W., 19.4-1
Atmospheric sciences program
U. S. Interdepartmental Committee for Atmospheric Sciences, 19.4-58; 19.12-35
Atmospheric seeing influence on photospheric velocity measurements
Deubner, F. L., 19.12-624
Atmospheric sounding systems
Smith, S. D. et al., 19.4-60
Kreiss, W. T., 19.11-6
Atmospheric spectroscopy
Tannhaeuser, I. O., 19.8-342
Atmospheric stratification
Galin, M. B., 19.8-282
Atmospheric stratification in mountain regions
Bordovskaia, L. I., 19.7-259
Atmospheric structure
Reiter, E. R. et al., 19.7-340
Atmospheric structure near the ground
Gazzola, A. et al., 19.12-253
Atmospheric structure studies
Bettle, J. F. et al., 19.10-95
Atmospheric surface layer studies
U. S. Atmos. Turb. and Dif. Lab., Oak Ridge, Tenn., 19.9-25
Atmospheric temperatures
Brooks, G. R., Jr., 19.1-222
Davis, D. E., 19.1-223
Atmospheric tides
Lindzen, R. S., 19.8-370
Palumbo, A., 19.10-319
Atmospheric tracers
Smith, C. V., 19.2-50
Atmospheric transmission
Vasil'chenko, N. V. et al., 19.1-213
Gray, L. D., 19.3-562
Zuev, V. E. et al., 19.7-312
Atmospheric transmission coefficients
Davies, J. A., 19.6-291
Atmospheric transmission–solar radiation relationships
Drummond, A. J. et al., 19.8-324
Atmospheric transmittance
Boileau, A. R., 19.8-464; 19.12-446
Atmospheric transparency
Sekihara, K. et al., 19.2-201
Zanetti, R., 19.5-217
Atmospheric transparency data
Samukashvili, R. D., 19.10-292
Atmospheric transparency determination
Kharitonova, G. A., 19.9-376
Atmospheric turbulence
Pasquill, F., 19.1-252
Hoegstroem, U., 19.10-235
Pierson, W. J., 19.10-340
Atmospheric turbulence effects on radio telecommunication
Skerjanec, R. E., 19.9-116
Atmospheric turbulence effects on wave propagation
Hodara, H., 19.10-211
Atmospheric turbulence properties
Monin, A. S., 19.10-336
Atmospheric turbulence - radio wave propagation correlations
Intl. Colloquium on the Fine-Scale Structure, Moscow, June 15-22, 1965, 19.11-37
Atmospheric turbulence research
Gorelik, A. G., 19.11-384
Atmospheric turbulence spectra
Gault, J. D. et al., 19.11-78

Atmospheric wave effects on ionosphere
Nelson, R. A., 19.12-504
Atmospheric wave motion
Dickinson, R. E., 19.12-181
Atmospheric waves
Golitsyn, G. S. et al., 19.4-212
Zhukova, L. P. et al., 19.8-290
Holton, J. R. et al., 19.10-250
Sankar Rao, M., 19.10-365
Trubnikov, B. N., 19.11-306
Sokhov, T. Z. et al., 19.11-318
Atmospheric waves - ionosphere relationships
Georges, T. M., 19.12-479
Atmospherics emitted by lightning
Jones, D. L., 19.10-507
Atmospherics structure phenomena
Hicks, J. J. et al., 19.3-61
Atomic absorption spectroscopy
Cairns, R. B. et al., 19.12-153
Atomic energy and hydrology
Haney, W. A., 19.3-15
Atomic hydrogen
Cairns, R. B. et al., 19.12-153
Atomic nitrogen
Cairns, R. B. et al., 19.12-153
Atomic nitrogen in upper atmosphere
Brown, R. R., 19.6-515
Atomic oxygen
Cairns, R. B. et al., 19.12-153
Atomic oxygen in thermosphere
Mauersberger, K. et al., 19.7-240
Atomic physics
Shore, B. W. et al., 19.12-13
Atomic spectra
Shore, B. W. et al., 19.12-13
Atomic structure
Shore, B. W. et al., 19.12-13
Aureole intensity in infrared
MacQueen, R. M., 19.9-281
Aurora and airglow
NATO Advanced Study Institute, Univ. of Keele, Staffordshire, Eng., Aug. 15-26, 1966, 19.1-17
Aurora australis
Schneider, O., 19.1-400
Aurora data
World Data Center A [for] Airglow, Ionosphere, Aurora, Cosmic Rays, Geomagnetism [and] Solar Activity, ESSA, Boulder, Colo., 19.2-82
Auroral absorption
Driatskii, V. M., 19.1-396
Driatskii, V. M. et al., 19.2-349
Little, C. G., 19.2-403
Hargreaves, J. K. et al., 19.3-406; 19.4-465
Driatskii, V. M., 19.5-402
Ecklund, W. L. et al., 19.6-511
Auroral absorption variations
Roldugin, V. K., 19.1-399
Auroral absorption zone
Gorbushina, G. N. et al., 19.2-354
Jelly, D. H., 19.5-407
Iversen, I. B. et al., 19.10-639
Auroral activity
Botley, C. M., 19.5-432
Auroral alpha - particle flux determination
Reasoner, D. L. et al., 19.12-516
Auroral alpha particles
Whalen, B. A. et al., 19.7-556
Auroral arc structure
Akasofu, S. I. et al., 19.2-391
Auroral arcs
Bond, F. R., 19.8-539
Gregori, G. P. et al., 19.12-515
Auroral backscatter
Flood, W. A., 19.2-398
Lange-Hesse, G., 19.2-400
Internat. Radio Consultative Comm., 19.8-541
Auroral belt
Starkov, G. V. et al., 19.2-409
Auroral catalogs
Schroeder, W., 19.1-401
Auroral distribution
Fel'dshtein, Ia., I., 19.1-349
Davis, T. N., 19.2-396
Auroral E layer
Newell, R. E. et al., 19.11-542
Auroral effects on mesosphere
Maeda, K. et al., 19.9-282
Auroral effects on radio wave propagation
Fremouw, E. J. et al., 19.9-612
Auroral effects on upper atmosphere
Brown, R. R., 19.6-515
Auroral electric field analysis
Bullen, J. M., 19.7-543
Auroral electric fields
Bostroem, R., 19.2-395
Rees, M. H. et al., 19.10-549
Auroral electrojet
Bostroem, R., 19.4-529
Maehlum, B. N. et al., 19.7-549
Lyon, G. F., 19.9-613
Auroral electron effects on mesospheric ozone
Maeda, K. et al., 19.4-192
Auroral electron energy
Albert, R. D., 19.4-467
Auroral electron energy spectra
Anderson, K. A., 19.2-392
Evans, D. S., 19.2-397
Ogilvie, K. W. et al., 19.2-404
Kamiyama, H., 19.2-406
Ogilvie, K. W., 19.7-552
Auroral electron flux
Albert, R. D., 19.4-467
Auroral electron precipitation
Sharp, R. D. et al., 19.7-554
Auroral electron temperatures
Hirao, K., 19.5-436
Auroral electrons
Whalen, B. A. et al., 19.1-404
Sakurai, K., 19.3-517
Mathews, D. L. et al., 19.7-545
Evans, D. S., 19.7-547
Whalen, B. A. et al., 19.7-556
Baker, K. D., 19.10-565
Sharp, R. D. et al., 19.10-570
Miller, R. E. et al., 19.10-576
Auroral emission lines
Kamiyama, H., 19.2-406
Gadsden, M., 19.4-186
Auroral emissions
Derblom, H. et al., 19.1-394
Sandford, B. P., 19.2-417
Cochrun, B. L., 19.7-546
Mueller, J. R. et al., 19.10-569
Auroral energy
Sharp, R. D. et al., 19.7-554
Auroral excitation
Omholt, A., 19.2-407
Eather, R. H., 19.4-468; 19.10-572
Omholt, A., 19.10-577
Auroral flares
Roldugin, V. K., 19.7-553
Auroral frequencies
Faylor, R. C., 19.4-464
Roldugin, V. K., 19.7-553
Auroral–geomagnetic relationships
Fel'dshtein, Ia. I., 19.1-349
Akasofu, S. -I., 19.1-393
Pinter, S., 19.3-411
Zhigalov, L. N., 19.3-493
Unwin, R. S., 19.4-466
Egeland, A. et al., 19.4-471
Maehlum, B. N. et al., 19.7-549
Gregori, G. P., 19.10-574
Giorgi, M. et al., 19.11-547
Keimatsu, M. et al., 19.11-565
Cole, K. D., 19.11-583
Auroral heights
Egeland, A. et al., 19.4-471
Bullen, J. M., 19.7-543
Cochrun, B. L., 19.7-546
Auroral helium lines
Fedorova, N. I., 19.1-337
Eather, R. H., 19.10-572
Auroral hiss
Joergensen, T. S., 19.7-573
Auroral hydrogen emissions
Romick, G. J. et al., 19.1-403
Rees, M. H., 19.3-142

Eather, R. H., 19.3-372
Montbriand, L. E. et al., 19.5-437
Derblom, H., 19.10-566
Auroral hydrogen lines
Harang, O. et al., 19.4-398
Eather, R. H., 19.10-572
Auroral infrasonic waves
Wilson, C. R., 19.4-469
Auroral instruments
Pfister, W., 19.9-614
Nardone, L. J., 19.9-622
Auroral intensities
Kamiyama, H., 19.2-406
Baker, K. D., 19.10-565
Eather, R. H., 19.10-572
Auroral intensity distribution
Romick, G. J. et al., 19.4-397
Auroral intensity variations
Pinter, S., 19.3-411
Auroral investigations
Ulwick, J. C., 19.1-398
Anger, C. D., 19.2-392
Boquist, W. P. et al., 19.2-394
Pfister, W., 19.9-614
Auroral ionization
Driatskii, V. M., 19.5-402
Mathews, D. L. et al., 19.7-545
Auroral ionization echoes
Leadabrand, R. L. et al., 19.2-402
Auroral ionization processes
Maehlum, B. N. et al., 19.7-549
Auroral ionosphere
Menda, S. B., 19.7-550
Auroral–ionospheric relationships
Thomas, L., 19.2-382
Ecklund, W. L. et al., 19.3-405
King, G. A. M., 19.3-407
Berkey, F. T., 19.4-462
Unwin, R. S. et al., 19.6-514
Gadsden, M., 19.10-573
Fremouw, E. J., 19.11-537
Auroral luminosity
Anger, C. D., 19.2-393
Hirao, K., 19.5-436
Mathews, D. L. et al., 19.7-545
Auroral luminosity curve
Cochrun, B. L., 19.7-546
Auroral luminosity–ionospheric absorption relationships
Berkey, F. T., 19.4-462
Auroral luminosity variation with height
Lloyd, J. W. F. et al., 19.8-544
Auroral–lunar relationships
Stoffregen, W., 19.10-579
Auroral–magnetic relationships
Akasofu, S. I. et al., 19.2-391
Auroral microbursts
Brown, R. R. et al., 19.9-610
Auroral morphology
Davis, T. N., 19.2-396
DeWitt, R. N., 19.4-470
Unwin, R. S. et al., 19.6-514
Krasovskii, V. I., 19.9-616
Fel'dshtein, Ia. I. et al., 19.10-567
Giorgi, M. et al., 19.11-547
Auroral nitrogen bands
Maseide, K., 19.3-409
Broadfoot, A. L., 19.5-435
Montbriand, L. E. et al., 19.5-437
Auroral observation techniques
Davis, T. N., 19.1-395
Johnson, R. G. et al., 19.2-399
Stoffregen, W. et al., 19.3-413
Auroral observations
Shuiskaia, F. K., 19.1-348
Jones, A. V., 19.1-397
Schroeder, W., 19.1-401
Moiseev, B. S., 19.3-410
Blundell, G., 19.5-431
Smith, R. W. et al., 19.6-513
Jacka, F. et al., 19.8-542
Brown, R. R. et al., 19.9-610
Argemi, L. et al., 19.12-514
Auroral oval
Akasofu, S. I., 19.1-393
Auroral oxygen lines
Shuiskaia, F. K., 19.1-348
Auroral particle flux measurements
Johnson, R. G. et al., 19.2-399
Auroral particle flux variations
Mozer, F. S., 19.7-551
Auroral particles
Speiser, T. W., 19.2-408
Hoffman, R. A., 19.4-552
NATO Advanced Study Institute, Freising, Germany, July 31-Aug. 11, 1967, 19.12-555
Auroral periodicities
Link, F., 19.9-568
Auroral phenomena
Botley, C. M., 19.5-432
Fel'dshtein, Ia. I. et al., 19.10-567
Auroral photometry
Pinter, S., 19.3-411
Mueller, J. R. et al., 19.10-569
Auroral physics
Akasofu, S. I., 19.1-393
Eather, R. H., 19.3-372
Giorgi, M. et al., 19.11-547
Auroral physics research
Geomagnetizm i Aeronomiia, Moscow, 1967, 19.5-454
Auroral poles
Bond, F. R., 19.8-539
Auroral primaries
Dungey, J. W., 19.9-611
Auroral protons
Romick, G. J. et al., 19.1-403
Whalen, B. A. et al., 19.1-404
Eather, R. H., 19.4-468
Whalen, B. A. et al., 19.7-556
Auroral pulsations
Davis, T. N., 19.1-395
Kangas, J., 19.10-562
Auroral rays
Maggs, J. E. et al., 19.7-557
Gregori, G. P. et al., 19.12-515
Auroral research
Schneider, O., 19.1-400
Chapman, S., 19.3-23
Akasofu, S. I., 19.4-461
Omholt, A., 19.10-577
Auroral–solar relationships
Egeland, A. et al., 19.4-471
Link, F., 19.9-568
Auroral–solar wind relationships
Reasoner, D. L. et al., 19.12-516
Auroral spectra
Shuiskaia, F. K., 19.1-348
Omholt, A., 19.2-407
Barth, C. A., 19.10-571
Miller, R. E. et al., 19.10-576
Auroral spectral intensity
Eather, R. H., 19.4-468
Cochrun, B. L., 19.7-546
Auroral spectrograms
Young, R. A., 19.1-402
Auroral spectroscopy
Young, R. A., 19.1-402
Hunten, D. M. et al., 19.1-407
Huppi, E. R., 19.7-560
Omholt, A., 19.10-577
Auroral spectrum measurements
Young, R. A., 19.1-402
Auroral storms
Chapman, S., 19.4-546
Brown, R. R. et al., 19.9-610
Auroral substorm–electron flux relationships
Lin, W. C. et al., 19.9-617
Auroral substorms
Parks, G. K. et al., 19.7-618
McPherron, R. L. et al., 19.7-619
Coroniti, F. V. et al., 19.7-620
Swift, D. W., 19.8-534
Auroral temperatures
Jones, A. V., 19.1-397
Walker, J. C. G. et al., 19.9-615
Karandikar, R. V., 19.10-568
Auroral theories
Speiser, T. W., 19.2-408
King, G. A. M., 19.3-307
Romick, G. J. et al., 19.4-397
Axford, W. I., 19.4-538
Unwin, R. S. et al., 19.6-514
Axford, W. I., 19.7-622
Gregori, G. P., 19.10-574
Maeda, K., 19.10-575
Unwin, R. S., 19.10-578

Akasofu, S. I., 19.11-584
Piddington, J. H., 19.11-586
Auroral types
Krasovskii, V. I., 19.8-543
Auroral ultraviolet radiation
Barth, C. A., 19.10-571
Auroral variations
Burrows, K., 19.2-86
Davis, T. N., 19.2-396
Auroral X-ray measurements
Bewersdorff, A. et al., 19.7-541
Auroral X-ray spectrum
Brown, R. R. et al., 19.4-463
Auroral zone currents
Fel'dshtein, Ia. I. et al., 19.7-548
Auroral zone disturbances
Oguti, T., 19.6-512
Morozumi, H. M., 19.6-567
Auroral zone electrojets
Gupta, J. C., 19.1-432
Auroral zone electron precipitation
Anderson, K. A., 19.2-392
Leadabrand, R. L. et al., 19.2-402
Brown, R. R. et al., 19.4-463
Jelly, D. et al., 19.4-554
Lampton, M., 19.4-555
Brown, R. R. et al., 19.5-433
Brown, R. R., 19.5-438
Milton, D. W. et al., 19.5-439
Broenstad, K. et al., 19.6-510
Oguti, T., 19.6-512
Maehlum, B. N. et al., 19.7-549
Parks, G. K. et al., 19.7-618
McPherron, R. L. et al., 19.7-619
Coroniti, F. V. et al., 19.7-620
Oliven, M. N. et al., 19.8-546
Kangas, J., 19.10-562
Sharp, R. D. et al., 19.10-570
Auroral zone electrons
Oliven, M. N. et al., 19.8-545
Auroral zone ionosphere
Rai, D. B. et al., 19.2-378
Holt, O. et al., 19.4-141
Bedinger, J. F. et al., 19.10-515
Auroral zone location
Zmuda, A. J., 19.1-405
Auroral zone proton precipitation
Leadabrand, R. L. et al., 19.2-402
Eather, R. H., 19.3-372
Auroral zone protons
Montbriand, L. E. et al., 19.5-437
Auroral zone X-ray variations
Kangas, J., 19.10-562
Auroral zone X-rays
Anderson, K. A., 19.2-392
Anger, C. D., 19.2-393
Kremser, G., 19.3-408
Brown, R. R. et al., 19.5-433
Parks, G. K. et al., 19.5-434
Broenstad, K. et al., 19.6-510
Venkatesan, D. et al., 19.7-555
Auroras
Hultqvist, B., 19.11-548
Austausch coefficient
Berz, G., 19.6-284
Australian National Antarctic Research Expeditions
Australian Natl. Antarctic Res. Expeditions, 19.1-28
Austredalsisen Glacier
Theakstone, W. H., 19.5-718
AUTEC, *see* **Atlantic Undersea Test and Evaluation Center**
Autocorrelation function
Schmidt, I., 19.6-248
Cehak, K., 19.6-313
Autocorrelation in precipitation amounts
Bidwell, V. J., 19.6-390
Automatic chart plotting
Tolstikov, E. E. et al., 19.4-61
Sviridova, M. A. et al., 19.4-143
Bychkov, N. F. et al., 19.10-157
Borisenkov, E. P. et al., 19.11-175
Automatic data collecting systems
Albanes, N. J., 19.4-113
Automatic data collection
Sachdev, R. N. et al., 19.2-104
Langford, D. T. A., 19.4-127, 128
Automatic data processing
Shodin, L. F., 19.7-718
Borisenkov, E. P. et al., 19.11-138, 175
Sapozhnikova, S. A., 19.12-62
Automatic hydrometeorological stations
McCulloch, J. S. G. et al., 19.8-142
Petrov, V. P., 19.9-197
Dimaksian, A. M. et al., 19.11-159
Fedotova, L. V., 19.11-161
Gnilitskii, V. V., 19.11-162, 163
Automatic instruments
Gol'denberg, M. L. et al., 19.8-109
Automatic landing of aircraft
Stevens, J. H., 19.10-51
Automatic marine weather stations
Takenouti, A. Y., 19.6-649
Automatic oceanographic data processing
Russell, J. J., 19.1-511
Automatic oceanographic stations
Stahl, P. C., 19.5-631
Takenouti, A. Y., 19.6-649
Ivanov, G. S., 19.7-724
Intergov. Oceanog. Comm., 19.8-712
Snodgrass, J. M., 19.8-714
Bloom, G. L. et al., 19.9-743
Automatic picture transmission ground station (APTGS)
Sallee, R. W., 19.4-102
Vermillion, C. H., 19.9-661
Eslinger, C. et al., 19.12-84
Automatic precipitation indicator
Peck, R. C. et al., 19.4-134
Automatic rain gage recorders
Reynolds, G., 19.8-132
Automatic rain gages
Datar, S. V. et al., 19.4-110
Srivastava, G. P. et al., 19.7-156
Mani, A., 19.9-188
Automatic recorders
Shodin, L. F., 19.7-718
Automatic stream gaging techniques
Srivastava, G. P. et al., 19.7-156
Automatic temperature meters
Bogachev, E. Iu. et al., 19.11-145
Automatic water regime recording
Dimaksian, A. M. et al., 19.11-159
Fedotova, L. V. et al., 19.11-160
Automatic weather analysis sytems
Maine, R., 19.12-170
Automatic weather station networks
Von Wald, W. A., Jr., 19.4-138
Automatic weather stations
WMO Technical Conference on Automatic Weather Stations, Geneva, 1966, 19.4-7
Albanes, N. J., 19.4-113
Baumbach, S., 19.4-114
Belhouse, H. C. et al., 19.4-115
Bjelland, S. et al., 19.4-116
Court, G. W. G., 19.4-117
Frank, R. E., 19.4-118
Goodman, G. S., 19.4-119
Guennoc, H. et al., 19.4-120
Hasset, M., 19.4-121
Hill, A. N., 19.4-122
Houghten, R. L., 19.4-123
Kodaira, N., 19.4-124

Lake, J. K., 19.4-125
Lally, V. E. et al., 19.4-126
Langford, D. T. A., 19.4-127, 128, 129
Lloyd, I. H., 19.4-130
Manuilov, K. N., 19.4-131
Olivieri, J. C., 19.4-132
Parry, H. D., 19.4-133
Peck, R. C. et al., 19.4-134
Perrin de Brichambaut, Chr., 19.4-135
Treussart, H., 19.4-136
Viton, P., 19.4-137
Von Wald, W. A., Jr., 19.4-138
Godier, R., 19.4-170
Hogan, G. D. et al., 19.5-112
Baumgart, H. et al., 19.6-155
Hardin, V. S., 19.7-104
Ivanov, G. S., 19.7-724
Afinogenov, L. P. et al., 19.8-138
Aniskin, L. V. et al., 19.8-139
Datar, S. V. et al., 19.8-140
Hedberg, R., 19.8-141
McCulloch, J. S. G. et al., 19.8-142
Patrichi, F., 19.8-143
Persin, S. M., 19.8-145
Rider, N. E., 19.8-146
Bespalov, D. P. et al., 19.9-170
Afinogenov, L. P. et al., 19.9-192
Grushin, S. I. et al., 19.9-194
Peters, E., 19.9-196
Petrov, V. P., 19.9-197
Thaller, M., 19.9-198
Bogomolov, A. M. et al., 19.11-158
Automation in hydrology
Dement'ev, N. F., 19.11-788
Dimaksian, A. M. et al., 19.11-789
Automation in libraries
Smith, F. D., Jr., 19.4-22
Automation in meteorology
Albanes, N. J., 19.4-113
Pokrovskii, Iu. V., 19.7-41
Afinogenov, L. P. et al., 19.8-138
Automation in weather forecasting
Maine, R. et al., 19.6-166
Miller, R. G., 19.12-117
Automobile exhaust pollution
Kelenffy, S. et al., 19.1-140
Schaefer, V. J., 19.5-173
Autumn rainfall
Zakharova, N. M., 19.1-303
Avalanche classification
Tushinskii, G. K., 19.3-320
De Quervain, M. R., 19.3-332
Fukui, A., 19.3-333
Haefeli, R., 19.3-334
Losev, K. S., 19.3-335
Novles, L. H., 19.3-336
Shoda, M., 19.3-344
Chomicz, K., 19.4-358
Vanni, M., 19.4-359
Zalikhanov, M. Ch., 19.10-443
Avalanche control
LaChapelle, E. et al., 19.3-323
Tushinskii, G. K., 19.3-331
Haefeli, R., 19.3-334
Salm, B., 19.3-343
Frutiger, H., 19.4-357
Iablokov, A. A., 19.9-519
Judson, A., 19.12-404
Avalanche damage
Morales, B., 19.3-347
Davos, Switz. Eidgen. Inst. fuer Schneeund Lawinsen., 19.9-29
Avalanche danger
Martinec, J., 19.3-314
Poggi, A. et al., 19.3-342
Shcherbakov, M. P., 19.5-328
Chomicz, K., 19.5-330
Akif'eva, K. V. et al., 19.11-468
Avalanche danger determination
Tushinskii, G. K., 19.3-331
Moskalev, Iu. D., 19.5-331
Chitadze, V. S. et al., 19.10-442
Zalikhanov, M. Ch., 19.10-443
Chitadze, V. S., 19.10-445
Zalikhanov, M. Ch., 19.10-446
Zalikhanov, M. Ch. et al., 19.11-471
Avalanche disasters
Morales, B., 19.3-347
Avalanche distribution
Shcherbakov, M. P., 19.5-328
Akif'eva, K. V. et al., 19.11-468
Avalanche dynamics
Tebuev, D. I. et al., 19.10-444
Avalanche effects on glaciers
Field, W. O., 19.5-327
Avalanche effects on mountain slopes
Peev, K. D., 19.3-329
Avalanche forecasting
Tushinskii, G. K., 19.3-331
De Crecy, L., 19.3-345
LaChapelle, E., 19.3-346
Beaumont, R. T., 19.3-351; 19.5-133
Kuvaeva, G. M. et al., 19.6-9
Chitadze, V. S., 19.10-445
Zalikhanov, M. Ch., 19.10-446
Judson, A., 19.12-404
Avalanche formation
Kotliakov, V. M. et al., 19.3-326
Akkuratov, V. N., 19.3-337
Cottman, B., 19.3-338
Kozlik, V., 19.4-353
Moskalev, Iu. D., 19.5-331
Zingg, Th., 19.6-400
Chitadze, V. S. et al., 19.10-442
Korolev, A. I., 19.11-467
Krasser, L. M. A., 19.12-405
Avalanche forms representation
Losev, K. S., 19.11-470
Avalanche frequency distribution
Kahn, M., 19.3-341
Avalanche geomorphology
Peev, K. D., 19.3-329
Runich, A. V., 19.11-781
Avalanche hydrology
Iveronova, M. I., 19.3-328
Sosedov, I. S. et al., 19.3-330
Avalanche mechanics
Bradley, C. C., 19.3-305
Zingg, Th., 19.3-321
Ambach, W. et al., 19.3-322
Haefeli, R., 19.3-334
In Der Gand, H. R. et al., 19.3-339
Jaccard, C., 19.3-340
Poggi, A. et al., 19.3-342
Salm, B., 19.3-343
Shoda, M., 19.3-344
Chomicz, K., 19.5-330
Roch, A., 19.5-332
Korolev, A. I., 19.11-467
Huzioka, T. et al., 19.12-403
Avalanche meteorology
Zingg, Th., 19.3-321
Akkuratov, V. N., 19.3-337
Kahn, M., 19.3-341
Avalanche nomenclature
Fukui, A., 19.3-333
Avalanche photogrammetry
Van Wijk, M. C., 19.5-329
Avalanche prevention
Kannabe, K., 19.6-422
Saeki, M. et al., 19.6-423
Avalanche protection
Chitadze, V. S., 19.11-469
Avalanche research
Capello, C. F., 19.3-304
De Crecy, L., 19.3-345
Vinogradov, Iu. B. et al., 19.6-424
Davos, Switz. Eidgen. Inst. fuer Schneeund Lawinen., 19.9-29
Losev, K. S., 19.11-470
Judson, A., 19.12-404
Avalanche types
Tebuev, D. I. et al., 19.10-444
Avalanche velocities
In Der Gand, H. R. et al., 19.3-339
Salm, B., 19.3-343
Avalanches
Jahn, A., 19.5-740
Average daily temperatures
Maher, J. V., 19.7-95
Aviation
Sealy, K. R., 19.11-81

Aviation forecasting
Fantuzi, A., 19.2-72
Lovisz, W. A., 19.6-57
Medvedev, B. A., 19.6-389
Engler, J., 19.8-190
Aviation forecasts
Watson, H. S., 19.4-168
Aviation meteorological services
Engler, J., 19.8-190
Aviation meteorology
Lipovka, A. V., 19.3-359
Szczecinski, C., 19.6-5
Warnecke, G., 19.6-55
Bruch, H., 19.6-60
Chernyshev, G. A., 19.9-84
Kogan-Beletskii, G. I. et al., 19.9-87

B

Balance equation
Asselin, R., 19.5-144
Ball lightning formation
Barry, J. D., 19.7-486
Ball lightning models
Barry, J. D., 19.7-486
Ball lightning theories
Gabrakov, S., 19.3-369
Barry, J. D., 19.7-486
Ballistic meteorology
Lowenthal, M. J., 19.3-136; 19.9-161
Ballistic wind
Wells, C. R. et al., 19.7-133
Balloon ascension rates
Grace, W. R. and Co. Dewey and Almy Chem. Div., 19.9-4
Balloon-borne equipment
Lichfield, E. W. et al., 19.1-78
McFall, J. C., Jr., 19.5-42
Doherty, F. X. et al., 19.5-94
Reddy, R. J., 19.5-101
Balloon-borne optical beacon
Cook, J. A. et al., 19.5-92
Balloon-borne pressure instruments
Wagner, W. C., 19.6-126
Balloon-borne telemetering systems
Lichfield, E. W. et al., 19.6-123
Klein, G. L., 19.6-128
Balloon-borne telescopes
Ellerton, G. C., Jr. et al., 19.5-95
Balloon burst studies
Matorin, S. V. et al., 19.3-69
Balloon bursting height
Kel'berg, V. P., 19.1-3
Balloon design
Stenlund, S. J. et al., 19.5-102
Mason, E. S., 19.11-141
Balloon development
Payne, J. C., 19.5-43
Ellerton, G. C., Jr. et al., 19.5-95
Balloon elasticity
Smalley, J. H., 19.6-125
Balloon equipment
Klein, G. L., 19.6-128
Balloon fabrics research
Alexander, H., 19.5-90
Kerr, A. D., 19.5-96
Hauser, R. L., 19.6-121
Williams, D. R. et al., 19.6-127
Balloon failure
Baker, H. L., 19.5-91
Kerr, A. D., 19.5-96
Hauser, R. L., 19.6-121
Balloon fog meters
Wright, W. B. et al., 19.7-181
Balloon geodetic measurements
Cook, J. A. et al., 19.5-92
Balloon icing
NCAR Quarterly, Summer 1967, 19.6-120
Balloon inflation
Matorin, S. V. et al., 19.3-69
Balloon infrared measurement
Murcray, D. G. et al., 19.5-100
Kuhn, P. M., 19.12-243
Balloon instrumentation
Czepyha, C. G. R., 19.5-93
Murcray, D. G. et al., 19.5-100
Balloon investigation of auroral X-rays
Kremser, G., 19.3-408
Parks, G. K. et al., 19.5-434
Balloon investigation of cosmic rays
Teegarden, B. J., 19.3-444
Neher, H. V. et al., 19.4-492
Brunstein, K. A., 19.5-442
Bowthorpe, M., 19.7-565
Rocket and balloon studies..., IQSY, 4th Assembly, 1967, 19.10-119
Heristchi, Dj., 19.10-589
O'Dell, F. W. et al., 19.10-595
Balloon investigation of Mars
Payne, J. C., 19.5-43
Balloon investigation of solar spectrum
Murcray, D. G. et al., 19.5-100
Lemaire, P. et al., 19.6-627
Balloon investigation of upper air temperatures
Lucas, R. M. et al., 19.5-97
Balloon investigation of upper air winds
Luers, J. et al., 19.2-67
Cook, J. A. et al., 19.5-92
Balloon lauching
Baynton, H. W., 19.5-148
Doherty, F. X. et al., 19.10-118
Balloon loads
Smalley, J. H., 19.6-125
Balloon measurement of X-rays
Milton, D. W. et al., 19.5-439
Balloon motion
Lucas, R. M. et al., 19.5-97
Balloon observation of auroral X-rays
Bewersdorff, A. et al., 19.7-541
Balloon–parachute, *see* BALLUTE
Balloon performance
Kel'berg, V. P., 19.1-3
Sharenow, M., 19.4-99
Stenlund, S. J. et al., 19.5-102
Smalley, J. H., 19.6-125
Williams, D. R. et al., 19.6-127
Balloon research
Lally, V. E. et al., 19.9-164
Balloon soundings
Vasil'chenko, I. V. et al., 19.8-101
Lally, V. E. et al., 19.9-164
Balloon symposia
AFCRL Scientific Balloon Symposium, 4th, Portsmouth, Sept. 12-14, 1955, 19.5-89
Balloon temperature
Lucas, R. M. et al., 19.5-97
Balloon tracking
Lally, V. E., 19.9-165
Mason, E. S., 19.11-141
Balloon trajectories
Koshel'kov, Iu. P. et al., 19.5-68
Lund, I. A., 19.5-98
Balloon transponders
Booker, D. R. et al., 19.10-269
Balloon wind observation techniques
Masenkis, A. S. et al., 19.5-99
Patsaeva, V. A., 19.5-275
Balloon X-radiation measurements
Clark, G. W. et al., 19.6-580
BALLUTE
Wright, J. B. et al., 19.5-103
Balmer lines
Houtgast, J., 19.9-715
Banana cultivation
Knapp, R. et al., 19.5-52
Banana plantation microclimate
Knapp, R. et al., 19.5-52
Bankfull frequencies
Woodyer, K. D., 19.9-830
Barium fluoride hygrometer elements
Jones, F. E., 19.7-151; 19.10-142
Barium in sea water
Andersen, N. R. et al., 19.6-660

Barium sulphate in sea water
Burton, J. D. et al., 19.9-768
Barley–climate relationships
Pasov, V. M., 19.4-43
Baroclinic forecasts
Doneaud, A. et al., 19.9-218
Baroclinic instability
Wiin-Nielsen, A., 19.3-182
Schulman, E. E., 19.5-659
Henning, D., 19.6-254
Baroclinic layer of the sea
Kozlov, V. F., 19.1-555
Baroclinic models
Hill, G. E., 19.3-101
Ellsaesser, H. W., 19.7-169
Davies, D., 19.8-170
Krishnamurti, T. N., 19.9-306
La Valle, L., 19.9-308
Young, J. A., 19.10-164
Baroclinic stability
Stone, P. H., 19.1-491
Baroclinic vertical motions
Krishnamurti, T. N., 19.9-306
Baroclinic wave stability
Haltiner, G. J., 19.5-186
Baroclinic waves
Vitek, V., 19.6-257
Barometer standards
Pokrovskaia, I. A., 19.8-124
Barometers
Khansuvarov, K. I., 19.8-123
Barotropic atmospheres
Blumen, W., 19.5-184
Barotropic forecasting models
Sanders, F. et al., 19.9-221
Besleaga, N. et al., 19.11-176
Barotropic forecasts
Ellsaesser, H. W., 19.9-240
Barotropic instability
Merilees, P. E., 19.3-159
Hirota, I., 19.7-279
Barotropic models
Corby, G. A. et al., 19.3-171
Robert, A. J., 19.6-167
Maine, R., 19.12-170
Barotropic vorticity equations
Sadourny, R., 19.10-163
Base flow
Furness, L. W. et al., 19.1-590
Hanson, R. L., 19.1-592
Bathometers
Stel'makh, O. L., 19.6-650
Bathymetric charts
Bumpus, K. et al., 19.5-618
Bathymetric surveys
Bracey, D. R., 19.3-620
Ross, D. I. et al., 19.10-713
Bathythermograms
Canada. Oceanographic Data Centre, 19.9-146
Bathythermographs
Casciano, D. L., 19.2-539
Hayward, J. L., 19.4-622
Bay water motion
Bowden, K. F. et al., 19.5-701
Beach erosion
Nambiar, K. K. N. et al., 19.4-686
Beach processes
Nambiar, K. K. N. et al., 19.4-686
Bead lightning
Uman, M. A. et al., 19.6-457
Bead thermistors
Glagolev, Iu. A., 19.9-174
Thompson, D. C., 19.9-177
Zaichikov, B. P., 19.9-179
Bean cultivation
Giurova, M., 19.6-73
Hogg, W. H., 19.8-59
Beans
Jensen, M. C., 19.11-429
Beaufort scale
Walden, H., 19.1-62
Bed currents
Pyrkin, Iu. G. et al., 19.12-723
Belgian–Dutch Antarctic Expedition, 1966
Decleir, H., 19.6-117
Bellani atmometer
Williams, G. D. V., 19.3-89
Carder, A. C., 19.11-152
Benard cells
Ivanov, V. N. et al., 19.1-256
Benthological studies
Chin, E., 19.2-525
Benzopyrene
Dubois, J. et al., 19.4-139
Kertesz, M., 19.7-226
Berel Glaciers
Khonin, R. V., 19.6-720
Beryllium-7 in the atmosphere
Hicks, B. B., 19.5-180
Beryllium-10 in ice
McCorkell, R. et al., 19.4-725
Beta-ray gaging techniques
Gardner, W. R., 19.8-53
Betatron acceleration effects
Fillius, R. W. et al., 19.5-486
Bibliographic series
Dania Polyglotta, 19.2-45
Venezuela. Universidad de Oriente, Cumana. Instituto Oceanografico, 19.2-46
Bibliographies on weather modification
Zikeev, N. T. et al., 19.3-29
Bibliography of Canadian geophysical literature
Canadian Geophy. Bull., Ottawa, Vol. 20, 1967-68, 19.9-76
Bibliography of Dobrovol'skii, Aleksei Dmitrievich
Mamaev, O. I., 19.4-24
Bibliography of Gunn, Ross
Reichelderfer, F. W., 19.5-33
Bibliography of "Operation Hazen-Tanquary," 1964-1967
Hattersley-Smith, G., 19.10-44
Bibliography of Oppenheimer, Robert
Serber, R. et al., 19.4-25
Bibliography of scientific publications
France. Off. de la Recherche Scientifique et Tech. Outra-Mer, Pointe-Noire, 19.12-39
Bibliography on aquatic sciences
Food and Agricultural Organization of the U.N., Rome, 19.2-44
Bibliography on climate of Laos
Grimes, A. E., 19.6-54
Bibliography on climate of Nepal
Grimes, A. E., 19.2-41
Bibliography on climate of Somali Republic
Vitale, C. S., 19.2-43
Bibliography on fisheries
Food and Agricultural Organization of the U.N., Rome, 19.2-44
Bibliography on meteorology of Poland
Poland. Panstwowy Instytut Hydrologiczno-Meteorologiczny, 19.2-42
Bibliography on microseisms
Hjortenberg, E., 19.5-38
Bibliography on oceanography
Food and Agricultural Organization of the U.N., Rome, 19.2-44
Bibliography on snow, ice and permafrost
U. S. Cold Regions Research & Engineering Lab., Hanover, N. H., 19.11-76
Biennial cycles
Wallace, J. M., 19.1-173
Biennial geomagnetic variations
Bernard, P., 19.5-492
Biennial wind oscillation
Wallace, J. M., 19.6-10
Bilderberg Continuum Atmosphere
Elste, G., 19.7-688
Gingerich, O. et al., 19.8-673
Conf. on the Structure of the Quiet Photosphere, Arnhem, Holland, Apr. 17-21, 1967, 19.12-19
Billow clouds
Ludlam, F. H., 19.4-331
Bimetallic thermographs
Asahi, M. et al., 19.7-144
Bioclimate of slopes
Hader, F., 19.7-464
Bioclimatic charts
Ouellet, C. E. et al., 19.1-52
Gregorczuk, M., 19.11-508
Bioclimatic research
Hader, F., 19.7-464

Bioclimatology of Odessa, Ukrainian S.S.R.
  Ramenskii, L. A., 19.2-141
Bioclimatology of Western Siberia, Asiatic R.S.F.S.R.
  Rusanov, V. I., 19.12-442
Biogenic elements in sea water
  Aizatullin, T. A., 19.1-549
Biography of Dobrovol'skii, Aleksei Dmitrievich
  Mamaev, O. I., 19.4-24
Biography of Frolov, V. V.
  Vangengeim, G. Ia. et al., 19.9-20
  Leningrad. Arktich. i Antarktich. Nauchno-Issled. Inst., 19.9-74
Biography of Gunn, Ross
  Reichelderfer, F. W., 19.5-33
Biography of Hayami, Shoitiro
  Kyoto, Japan Univ. Geophysical Inst., 19.12-20
Biography of Hinds, Richard Brinsley
  Court, A., 19.1-46
Biography of Lebedinskii, Aleksandr Ignat'evich
  Fel'dshetein, Ia. I., 19.7-43
Biography of Mayer, Tobias
  Forbes, E. G., 19.5-34
Biography of Shuleikin, Vasilii Vladimirovich
  Korneva, L. A., 19.3-26
Biography of Swallow, John C.
  Rakestraw, N. W., 19.3-27
Biography of Whiten, A. J.
  Whiten, A. J., 19.10-42
Biological effects of atmospheric pollution
  Jaffe, L. S., 19.7-224
Biological effects of ultraviolet radiation
  Generalov, A. A., 19.2-210
Biological effects of weather elements
  Greenleaf, J. E. et al., 19.8-67
  Ivanovici, H. et al., 19.11-96
Biometeorological conferences
  Lowry, W. P., 19.4-377
  Internat. Biomet. Congress, 1966, 19.6-28
Biometeorological research
  Lowry, W. P., 19.7-465
Biometeorology
  Brooks, G. R., Jr., 19.1-222
  Davis, D. E., 19.1-223
  Astapenko, P. D., 19.6-448
  Am. Met. Soc. Study Group on Bioclimat., 19.9-545
Bivane anemometers
  Mitsuta, Y., 19.3-48
Bivariate normal distribution
  Groenewoud, C. et al., 19.7-102
Black locust trees
  Yoshida, S. et al., 19.7-468
Black magnetic spherules in atmosphere
  Vittori, A. O., 19.12-149
Blackbody radiation
  Guidice, D. A., 19.8-635
Blackbody radiation in the universe
  Hunter, J. H., Jr., 19.6-567
  Tayler, R. J., 19.6-568
  Brecher, K. et al., 19.7-640
  Silk, J., 19.8-694
Blinova indexes
  Drogaitsev, D. A., 19.12-131
Blizzard electrical charges
  Wishart, E. R. et al., 19.12-458
Blocking anticyclones
  Perry, A., 19.5-207
  Wiegman, E. J. et al., 19.7-384
Blocking effects on large scale weather processes
  Schaffler-Gloessl, H., 19.3-198
Blocking situations
  Schaffler-Gloessl, H., 19.3-198
Blood chemistry
  Lungu, A. L. et al., 19.11-92
Blowing snow
  Diunin, A. K., 19.12-374
  Shiotani, M. et al., 19.12-390
Blown snow electrification
  Stow, C. D., 19.3-371
Boating expeditions
  Doherty, H. B., 19.9-148
Body heat regulation
  Gregorczuk, M., 19.8-317
  Suggs, C. W., 19.9-387
Body temperature maintenance
  Kreider, M. B., 19.10-61
Body temperatures
  Givoni, B., 19.11-357
Bog water composition
  Sturges, D. L., 19.3-705
Bolometric corrections
  Weidemann, V. et al., 19.8-116
Bora
  Georgii, W., 19.3-235
Boreas Expeditions
  Calif. Univ. Scripps Inst. of Oceanog., La Jolla, 19.5-619
Borehole investigation of glaciers
  Oeschger, H. et al., 19.4-718
Bottom currents
  Titov, V. B. et al., 19.4-671
  Harrison, W. et al., 19.9-780
  Ross, D. A., 19.12-724
Bottom effects on ocean currents
  Titov, V. B. et al., 19.4-671
Bottom effects on ocean waves
  Iwagaki, Y. et al., 19.3-662; 19.10-764
  Jonsson, I. G., 19.10-765
Bottom effects on oceanic circulation
  Shkudova, G. Ia., 19.4-672
Bottom Environmental Sensing System
  Oser, R. K. et al., 19.2-534
Bottom ice formation
  Epifanov, V. F. et al., 19.5-727
Bottom pressure fluctuations
  Bennett, C. M., 19.5-663
Bottom relief effects on velocity distribution
  Butorin, N. V. et al., 19.6-776
Bottom tides
  Nowroozi, A. A. et al., 19.6-695
Bottom topographic effects on fluid flow
  Holland, W. R., 19.6-341
Bottom water formation
  Albers, H. W., 19.5-672
Bottom water movement
  Panfilova, S. G., 19.5-679
Bottom water temperatures
  Bodvarsson, G., 19.3-646
  Panfilova, S. G., 19.5-679
Bouguer's law
  Shardanand, –, 19.2-214
Boundary flow transition
  Tani, I., 19.11-315
Boundary layer
  Lacaze, J., 19.5-274
  Int. Symp. on Bound. Layers and Turb. including Geophys. Applic., Japan, 1965, 19.9-27
  Holland, J. Z., 19.10-332
  Pierson, W. J., 19.10-340
  Takeuchi, K., 19.10-347
  Lappe, U. O. et al., 19.11-386
Boundary layer computation
  LeBlanc, L. L., 19.11-387
Boundary layer effects on the dynamics of weather processes
  Vorob'eva, A. G. et al., 19.12-275
Boundary layer equations
  Odar, F., 19.8-378
Boundary layer flow
  Calder, K. L., 19.2-157
  Nickerson, E. C., 19.7-269
  Odar, F., 19.8-378
  Blackadar, A. K., 19.8-382
Boundary layer influences on free atmosphere
  Laikhtman, D. L., 19.4-184
Boundary layer investigations
  Dickenson, R. E., 19.12-181
Boundary layer models
  Hansen, F. V., 19.4-3
  Charnock, H. et al., 19.8-244
  Monin, A. S. et al., 19.11-273

- **Boundary layer stability**
  - Vasudeva, B. R., 19.8-379
- **Boundary layer temperature**
  - Zilitinkevich, S. S. et al., 19.11-390
- **Boundary layer theories**
  - La Roche, U., 19.8-158
  - Favre, S. et al., 19.10-326
  - Gerrard, J. H., 19.10-327
  - Hinze, J. O., 19.10-331
  - Komoda, H., 19.10-333
  - Maekawa, T. et al., 19.10-335
  - Pfenninger, W. et al., 19.10-338
  - Rotta, J. C., 19.10-343
  - Sternberg, J., 19.10-345
  - Tillmann, W., 19.10-348
  - Walz, A., 19.10-350
  - Willmarth, W. W. et al., 19.10-352
  - Faller, A. J. et al., 19.10-370
  - Lykov, A. V. et al., 19.11-38
  - Rozenshtok, Iu. L., 19.11-302
  - Evans, H. L., 19.12-4
- **Boundary layer turbulence**
  - Weiler, H. S. et al., 19.1-247
  - Ruzin, M. I., 19.4-279
  - Volkovitskaia, Z. I. et al., 19.4-281
  - Hansen, F. F. et al., 19.6-323
  - Bradshaw, P., 19.8-377
  - Gurvich, A. S. et al., 19.9-317
  - Bobyleva, I. M. et al., 19.9-428
  - Monin, A. S. et al., 19.11-273
  - Vorob'eva, A. G. et al., 19.12-275
- **Boundary layer velocity distribution**
  - Sandborn, V. A. et al., 19.10-344
- **Boundary layer vortexes**
  - Angell, J. K. et al., 19.12-80
- **Boundary layer wind distribution**
  - Zilitinkevich, S. S. et al., 19.11-390
- **Boundary layer wind profiles**
  - Larsson, P., 19.1-27
  - Estoque, M. A., 19.6-321
- **Boundary layer winds**
  - Mendenhall, B. R., 19.6-242
  - Holton, J. R., 19.6-333
  - Blackadar, A. K., 19.8-382
- **Boundary layers**
  - Kao, S. K., 19.10-238
- **Breeze circulation studies**
  - Shaposhnikova, M. I. et al., 19.12-178
- **Bremsstrahlung–geomagnetic pulsation relationships**
  - Wilhelm, K., 19.3-485
- **Bridge construction**
  - Wyatt, T. A., 19.12-304
- **Brier Score**
  - Hughes, L. A., 19.4-158
- **Bright band echoes**
  - Mackiewicz, E., 19.5-234
- **Brightness function of meteors**
  - Liubarskii, K. A., 19.11-655
- **Brightness of sea surface measurements**
  - Kozlianinov, M. V. et al., 19.4-631
- **Brightness structure of the light halo**
  - Rozenberg, G. V. et al., 19.9-553
- **Brightness temperature**
  - Epstein, E. E., 19.10-685
- **Brightness temperature matrix**
  - Lenoir, W. B., 19.3-145
- **Brine in sea ice calculations**
  - Frankenstein, G. et al., 19.4-707
- **Brine in sea water**
  - Slatinskii, Iu. G., 19.11-717, 718
- **British participation in IQSY**
  - Final report on the United Kingdom..., IQSY, 4th Assembly, 1967, 19.10-107
- **"Brown Bear" cruises, 1964**
  - Wash. (State). Univ., Seattle. Dept. of Oceanog., 19.7-719
- **"Brown Bear" cruises, 1965**
  - Wash. (State). Univ., Seattle. Dept. of Oceanog., 19.7-720
- **Bubble mechanics**
  - Cheh, H. Y. et al., 19.6-366
- **Bubbles in ice**
  - Maeno, N., 19.6-708; 19.11-765
  - Stehle, N. S., 19.11-768
- **Bubbles in sea water**
  - Garrett, W. D., 19.6-656
- **Buckwheat yield**
  - Ivanova-Zubkova, N. Z., 19.4-161
- **Building climatology**
  - Olgyay, V., 19.5-57
  - Hardy, A. et al., 19.10-473
  - Tsvid, A. A., 19.12-47
  - Khairullin, K. Sh., 19.12-227
  - Tiushin, Iu. I. et al., 19.12-440
- **Building construction**
  - Korenevskaia, E. I. et al., 19.5-346
- **Building design**
  - Schjoedt, R. et al., 19.9-546
  - Auger, B., 19.11-404
  - Litton, E., 19.11-409
  - Waller, R. A. et al., 19.11-414
  - Tistea, D. et al., 19.11-426
- **Building effects on wind**
  - Chigrai, D. T., 19.4-59
  - White, K. C., 19.11-379
- **Building heat balance estimation**
  - Schjoedt, R. et al., 19.9-546
  - Gandin, L. S., 19.10-472
- **Building illumination**
  - Skobareva, Z. A., 19.2-207
- **Building orientation**
  - Olgyay, V., 19.5-57
- **Building research**
  - Nature, London, 19.11-97
- **Bumpiness**
  - Aleksandrov, V. S. et al., 19.9-423
  - Pinus, N. Z., 19.10-355
- **Buoy construction**
  - Holmes, J. F., 19.1-521
- **Buoy design**
  - Holmes, J. F., 19.1-521
- **Buoy mooring**
  - Banchero, L. A., 19.1-513
  - Holmes, J. F., 19.1-521
  - Siedler, G., 19.1-526
- **Buoy motion**
  - Pond, S., 19.6-119
  - Higuchi, H. et al., 19.10-714
  - Fofonoff, N. P. et al., 19.12-677
- **Buoy-mounted oceanographic sensors**
  - Bissett-Berman Corp., San Diego, Calif., 19.7-722
- **Buoy oceanographic stations**
  - International Buoy Technology Symposium, 2nd, Wash., D. C., Sept. 18-29, 1967, 19.1-18
  - Capart, G., 19.1-514
  - Garstang, M. et al., 19.1-517
  - Holmes, J. F., 19.1-521
  - Kosic, R. F. et al., 19.1-523
  - Lebus, U., 19.1-524
  - McCalmont, A. M. et al., 19.1-525
  - Marcus, S. O., Jr., 19.3-625
  - Seelinger, P. E., 19.3-626
  - Pyle, A. F., 19.4-95, 96
  - Morgan, K. A. et al., 19.4-613
  - Ruff, R. E., 19.4-614
  - ESSO production Research Center, 19.4-616
  - Denton, R. F. et al., 19.9-744
  - Goodheart, A. J., 19.9-745
  - Majkrzak, C. P. et al., 19.9-746
  - Rooney, R. F., 19.11-702
  - Marriott, J., 19.12-678
- **Buoy symposia**
  - International Buoy Technology Symposium, 2nd, Wash., D. C., Sept. 18-29, 1967, 19.1-18
  - International Buoy Technology Symposium, 2nd, Wash., D. C., Sept. 18-29, 1967, 19.1-18
  - Garstang, M. et al., 19.1-517

Holmes, J. F., 19.1-521
McCalmont, A. M. et al., 19.1-525
ESSA World, Rockville, Md. 1967, 19.3-67
Marcus, S. O., Jr., 19.3-625
Seelinger, P. E., 19.3-626
Mottern, R. E. et al., 19.4-94
Pyle, A. F., 19.4-95, 96
Vaeth, J. G., 19.4-97
Bjelland, S. et al., 19.4-116

Buoy wind measurements
Huff, L. C., 19.4-612
Pond, S., 19.6-119

Buoys
Giraytys, J., 19.1-519
Glass, C. J., 19.1-520
Isaacs, J. D., 19.1-522
Mollo-Christensen, E., 19.4-681

Buoys for ocean wave measurements
Ford, J. R., 19.1-516
Gaul, R. D. et al., 19.1-518
Metzler, A. R. et al., 19.9-756
Carlson, H. et al., 19.10-377

C

CAT, *see* **Clear air turbulence**

Cp frequency distribution
Gupta, J. C. et al., 19.9-635

Cajun Dart rocket
Bollermann, B. et al., 19.1-79

Calcium carbonate in sea water
Liakhin, Iu. I., 19.12-699, 707

Calcium in sea water
Mameli, D. et al., 19.10-735

Calibration equipment
Severnyi, A. B., 19.12-622

Calorimeters
Ziemke, M. C., 19.7-141

Campbell–Stokes sunshine recorder
Collins, B. G., 19.5-125

Canadian Meteorological Society
Thomson, A., 19.6-47

Canadian oceanographic research
Canada. Committee on Oceanog., 19.9-16

Canadian oceanographic research programs
Canada. Committee on Oceanog., 19.9-16

Canadian participation in International Hydrological Decade
Clark, R. H. et al., 19.6-734

Canadian participation in IQSY
Report on Canadian programme..., IQSY, 4th Assembly, 1967, 19.10-113

Canals
Iakhtenfel'd, I. P., 19.5-741

Canonical correlation
Glahn, H. R., 19.2-65

Carbohydrates in sea water suspensions
Handa, N., 19.4-634

Carbon dioxide absorption
Higgs, R. W. et al., 19.5-392

Carbon dioxide absorption bands
Gray, L. D., 19.3-562
Shved, G. M., 19.7-303, 304
Drayson, S. R. et al., 19.8-336
Golubitskii, B. M. et al., 19.9-375

Carbon dioxide concentration
Keeling, C. D., 19.12-142

Carbon dioxide effects on plants
Yabuki, K. et al., 19.2-133

Carbon dioxide exchange crops-atmosphere
Ross, Iu. et al., 19.10-57

Carbon dioxide exchange ocean-atmosphere
Cadle, R. D., 19.4-176
Muennich, K. O. et al., 19.10-734

Carbon dioxide flux above crops
Inoue, E. et al., 19.9-257

Carbon dioxide in middle atmosphere
Leovy, C. B., 19.9-310

Carbon dioxide in sea water
Park, K. et al., 19.1-548
Skopintsev, B. A. et al., 19.4-642
Kelley, J. J., 19.12-705

Carbon dioxide in soil
Wiant, H. V., Jr., 19.6-802

Carbon dioxide in the atmosphere
NBS studies atmospheric gases..., U. S. NBS, Tech. News Bull., 1968, 19.10-188

Carbon dioxide in the atmosphere of Mercury
Bergstralh, J. T. et al., 19.1-485

Carbon dioxide in Venus
Moroz, V. I., 19.1-487

Carbon dioxide spectra
Echigo, R. et al., 19.5-277
Bates, J. C., 19.6-302

Carbon dioxide within crop canopies
Uchijima, Z. et al., 19.8-55

Carbon in solar atmosphere
Richter, J. et al., 19.1-506

Carbon isotope fractionation
Wendt, I., 19.12-703

Carbon lines in solar spectrum
Lambert, D. L. et al., 19.1-505
Swensson, J. W., 19.1-507

Carbon monoxide in sea water
Swinnerton, J. W. et al., 19.12-704

Carbon monoxide in solar photosphere
Pande, M. Ch., 19.4-585
Sitnik, G. F. et al., 19.7-690

Carbon monoxide in surface air
Seiler, W. et al., 19.7-163

Carbon monoxide lines in solar spectrum
Pande, M. Ch., 19.4-585
Sitnik, G. F. et al., 19.4-586
Livshits, M. A. et al., 19.10-705

Carbon monoxide measurement techniques
Seiler, W. et al., 19.7-163

Carbonaceous meteorites
Nagy, B., 19.9-693

Carbonate sedimentation
Olausson, E., 19.6-439

Carbonate sediments
Cloud, P. E., Jr., 19.3-641

Carbonates in sea water
Dyrssen, D. et al., 19.6-661

Careers in geophysics
U. S. Environ. Sci. Serv. Admin., 19.9-71

Caribou ecology
Henshaw, J., 19.11-507

Cartography
Salishchev, K. A., 19.9-37
Doyle, F. J., 19.12-563

Cassiopeia A
Parthasarathy, R., 19.6-578

Catalogs of satellite cloud photographs
U. S. Environmental Data Service, 19.3-83

Catalogs of satellite observations
Allied Research Assoc., Inc. Concord, Mass., 19.1-85

Catchment basin runoff
Figula, K., 19.7-827

Catchment experiments
Ward, R. C., 19.9-816

Catchment hydrology
Taylor, C. H., 19.6-763
Galushchenko, N. G., 19.9-859

Cattle
Wiersma, F. et al., 19.9-388

Cattle bioclimatology
McDowell, R. E., 19.11-88

Cattle raising
Hauptman, J., 19.7-64
Berman, A., 19.8-345

Cauliflower cultivation
Allen, L. D. et al., 19.5-47

Ceiling and visibility forecasting
Bryan, J. G. et al., 19.7-178

Celestial mechanics
Dingle, H., 19.5-539
Monaghan, J. J., 19.5-540

Cellular convection
Asai, T., 19.2-259

Vorob'eva, E. F. et al., 19.3-256
Barnes, S. L., 19.6-11
Cellular convection theories
Ivanovskii, A. I. et al., 19.3-251
Skuratova, I. S. et al., 19.3-254
Trubnikov, B. N., 19.3-255
Center for Meteorological Space Research, Lannion, France
France. Meteorologie Nationale, 19.2-33
Centers of action
Maksimov, I. V., 19.4-221
Golovin, G. N., 19.9-327
Vasil'ev, P. P., 19.12-202
Centre d'Etudes Geophysiques du C.N.R.S. Garchy (France)
Delloue, J. et al., 19.1-354
Centre for Applied Hydrology, Porto Alegre, Brazil
Chow, Ven Te, 19.12-30
Cerenkov radiation
Briunelli, B. E. et al., 19.4-516
Kato, Y. et al., 19.8-583
Cerenkov radiation counters
Vavilov, Iu. N. et al., 19.4-500
Webber, W. R. et al., 19.4-501
Cerenkov radiation studies
Joergensen, T. S., 19.7-573
Cerenkov scintillation counters
Ormes, J. F. et al., 19.12-522
Cerium-141 content of atmosphere
Joshi, L. U. et al., 19.3-153
Cerium-144 content of atmosphere
Joshi, L. U. et al., 19.3-153
Cesium-137 in sea water
Iakovleva, G. V., 19.2-152
Chandrasekhar's theory
Bellman, R. et al., 19.6-303
Change of state
Kachurin, L. G. et al., 19.2-269
Merlivat, L. et al., 19.6-393
Channel roughness effects on flow
Martinec, J., 19.6-755
Channel streams
Karasev, E. K., 19.11-295
Chapman function
Swider, W., Jr. et al., 19.1-332
Sekera, Z., 19.12-449
Charge transfer
Sartor, J. D. et al., 19.3-368
Charged droplets
Smirnov, V. I., 19.11-519
Charged particle distribution
Freeman, J. W., Jr. et al., 19.2-470
Charged particle - magnetospheric interaction
Stevenson, T. E. et al., 19.4-535
Charged particle measurements
Bragin, Iu. A., 19.1-339
Maehlum, B. N., 19.10-564
Frank, L. A., 19.10-628
Charged particle motion in magnetic field
Samokhin, M. V., 19.1-440, 444
Trakhtengerts, V. Iu., 19.1-455
Heckman, H. H., 19.2-440
Sen Gupta, N. D., 19.3-531
Ershkovich, A. I. et al., 19.4-530
Stevenson, T. E. et al., 19.4-535
Winge, C. R., Jr. et al., 19.4-536
Fillius, R. W. et al., 19.5-486
Speiser, T. W., 19.6-306
Hall, D. E. et al., 19.6-543
Il'in, V. D., 19.7-625
Dungey, J. W., 19.8-581
Vernov, S. N. et al., 19.8-594
Charged particle motion in magnetosphere
Stern, D., 19.3-519
Charged particle motion studies
Willis, D. M., 19.12-549
Charged particle precipitation
Faith, L. E. et al., 19.6-391
Charged particle precipitation into polar cap regions
Baird, G. A., 19.10-513
Charged particles
Megaw, W. J. et al., 19.12-456
NATO Advanced Study Institute, Freising, Germany, July 31-Aug. 11, 1967, 19.12-555
Charged particles in a magneto-ionic medium
Willis, D. M., 19.12-549
Charged particles in space
O'Brien, B. J., 19.8-589
Charged particles in upper atmosphere
Bragin, Iu. A. et al., 19.8-246
Bragin, Iu. A., 19.8-484
O'Brien, B. J., 19.8-589
Chebyshev coefficients
Dubko, I. V., 19.10-167
Chemical analysis of air
Hughes, E. E., 19.10-153
Chemical analysis of precipitation
Sidle, A. B., 19.5-302
Magiricu, V., 19.12-359
Chemical analysis of sea water
Martin, D. F., 19.12-26
Chemical composition of aerosols
Junge, C. et al., 19.7-225
Georgii, H. W. et al., 19.9-263
Chemical composition of dust falls
Hoidale, G. B. et al., 19.2-4
Chemical composition of ground water
Kitano, Y. et al., 19.6-806
Raikova, B., 19.8-785
Chemical composition of lake water
Lipscomb, R. G., 19.7-790
Garrels, R. M. et al., 19.9-817
Kramer, J. R., 19.9-818
Lezin, V. A., 19.10-778
Chemical composition of meteorites
Lopukhin, A. S., 19.11-661
Chemical composition of natural waters
Lee, G. F. et al., 19.9-810
Chemical composition of noctilucent clouds
Skrivanek, R. A., 19.9-259
Chemical composition of precipitation
Feth, J. H., 19.2-287
Fisher, D. W., 19.12-358
Chemical composition of rainwater
Drozdova, V. M. et al., 19.12-357
Chemical composition of sea water
Alekin, O. A., 19.1-545
Beliaev, L. I., 19.2-556
Chemical composition of spring waters
Garrels, R. M. et al., 19.9-817
Chemical composition of stars
Arnould, M., 19.12-659
Chemical composition of upper atmosphere
Kockarts, G., 19.9-278
Chemical composition of upper mantle
Harris, P. G. et al., 19.10-622
Chemical fertilizers
Scorer, R. S., 19.7-234
Chemical reactions in droplets
Foa, E. et al., 19.4-321
Chemical releases in upper atmosphere
Haser, L., 19.2-330
Millikan, R. C., 19.4-64
Giese, R. H. et al., 19.6-105
Chemical tracers in oceanographic research
Keeling, C. D. et al., 19.12-662
Chemiluminescent reactions
Johnson, E. R. et al., 19.7-239
Hampson, J., 19.8-250

Chemistry of ground water
Straesser, M., 19.3-707
Chemistry of sea water
Aizatullin, T. A., 19.1-549
Sillen, L. G., 19.2-551
Slatinskii, Iu. G., 19.11-717
Park, K., 19.12-702
Chinese nuclear explosions
Yoshikawa, K., 19.11-291
Chinook effects
Ashwell, I. Y. et al., 19.2-263
Chinook winds–lee wave relationships
Beran, D. W., 19.3-258
Chloride budget of watersheds
Juang, F. H. T. et al., 19.2-288
Chloride content of fresh water lakes
Mairs, D. F., 19.3-691
Chloride content of rainwater
Juang, F. H. T. et al., 19.2-288
Matsuo, S. et al., 19.5-301
Chloride content of runoff water
Juang, F. H. T. et al., 19.2-288
Chloride disposal in soil
Fritton, D. D. et al., 19.8-403
Chloride particle identification
Podzimek, J., 19.10-400
Chlorinity of sea water
Sugiura, Y., 19.4-644
Mameli, D. et al., 19.10-735
Chlorinity of sea water determination
Sugiura, Y., 19.4-644
Chondrite composition
Ross, J. et al., 19.8-631
Chromatographic techniques
Epstein, S. S. et al., 19.6-95
Chromosphere–corona transition zone
Delache, P., 19.4-593
Chromospheric emission during eclipses
Dolainsky, F. et al., 19.4-250
Chromospheric emission line intensities
Dumont, S., 19.12-656
Chromospheric eruptions
Hyder, C. L., 19.4-594
Chromospheric flare effects on pressure
Stolov, H. L. et al., 19.2-232
Chromospheric flares
Hyder, C. L., 19.4-594
Dolginova, Iu. N. et al., 19.8-676
Banin, V. G., 19.9-706
Chromospheric H_α–flares–geomagnetic activity relationships
Oermenyi, I., 19.5-456
Chromospheric H_α line profiles
Rodgers, A. W. et al., 19.8-630
Chromospheric heating
Schatzman, E., 19.12-644
Chromospheric helium emission lines
Nikol'skaia, K. I., 19.6-630
Chromospheric line profiles
Nussbaumer, H., 19.12-640
Chromospheric magnetic fields
Brueckner, G., 19.6-619
Chromospheric models
Hyder, C. L., 19.4-594
Dumont, S., 19.5-597
Elste, G., 19.7-688
Athay, R. G. et al., 19.7-704
Gingerich, O. et al., 19.8-673
Cuny, Y., 19.8-684
Kandel, R., 19.11-685
Conf. on the Structure of the Quiet Photosphere, Arnhem, Holland, Apr. 17-21, 1967, 19.12-19
Chromospheric motions
Nikol'skaia, K. I., 19.6-630
Noyes, R. W., 19.8-674
Chromospheric phenomena
Oehman, Y., 19.12-641
Chromospheric prominences
Hyder, C. L., 19.4-594
Chromospheric spectra
Dumont, S., 19.5-597
Tsap, T. T., 19.7-695
Athay, R. G. et al., 19.7-704
Chromospheric structure
Tsap, T. T., 19.7-695
Chromospheric temperature
Dumont, S., 19.5-597
Nikol'skaia, K. I., 19.6-630
Chromospheric temperature determination
De Jager, C. et al., 19.8-681
Chromospheric turbulence
Kaplan, S. A. et al., 19.6-574
Cinematography applications
Davis, T. N., 19.1-395
Circular island effects on plane waves
Sekerzh-Zen'kovich, S. Ia., 19.7-754
Circulation characteristics
Gruza, G. V., 19.1-180
Circulation effects on sea surface temperatures
Vinogradov, N. D., 19.2-167
Circulation intensities
Vangengeim, G. Ia., 19.9-326
Circulation intensity
Bolotinskaia, M. Sh., 19.9-322
Circulation pattern analysis
Bolotinskaia, M. Sh., 19.9-322
Circulation pattern singularities
Trubnikov, B. N., 19.11-306
Circulation pattern transformation
Vangengeim, G. Ia., 19.9-326
Circulation patterns
Internatl. Symp. on Dynamics of Large-Scale Processes in the Atmos., 2nd, Moscow, June 1965, 19.1-14
Nikolaev, Iu. V. et al., 19.10-168
Angell, J. K. et al., 19.10-231
Kao, S. K., 19.10-238
Circulation patterns–cloud cover relationships
Wiegman, E. J. et al., 19.7-383, 384, 385
Circulation patterns–precipitation correlations
Glukh, I. S., 19.11-791
Circulation regime–precipitation relationships
Vorob'eva, E. V., 19.1-300
Circulation statistics
Gruza, G. V., 19.1-180
Circulation type classification
Dubko, I. V., 19.10-167
Circulation types
Cosentino, O. et al., 19.1-240
Mepistsveridze, E. I., 19.5-155
Circulation types–precipitation relationships
Bauman, I. A. et al., 19.2-162
Circulation types–sea surface temperature relationships
Vinogradov, N. D., 19.2-167
Circulatory effects
Drennan, K. L., 19.6-638
Cirrus cloud formation
Harrington, E. L., 19.1-295
Cirrus cloud temperatures
Harrington, E. L., 19.1-295
Cirrus cloud-upper air wind relationships
Viezee, W. et al., 19.2-255
Cirrus crystals
Braham, R. R., Jr. et al., 19.3-279
Cirrus effects
Hitschfeld, W., 19.9-248
Cirrus heights
Harrington, E. L., 19.1-295
Cislunar medium
Grigorov, N. L. et al., 19.8-622
Cislunar radius
Evans, D. E. et al., 19.2-462
Citrus fruit phenology
Newman, J. E. et al., 19.7-61
Civil engineering
Waller, R. A. et al., 19.11-414
Clay soils
Jamison, V. C. et al., 19.9-93
Clear air turbulence
Pchelko, I. G. et al., 19.6-58
Panofsky, H. A., 19.9-434
Reiter, E. R. et al., 19.12-278
Clear air turbulence analysis
Reiter, E. R. et al., 19.7-340

Colquhoun, J. R. et al., 19.8-380
Gland, H., 19.11-391
Clear air turbulence detection
Stephens, J. J. et al., 19.2-239
Angell, J. K., 19.4-282
Atlas, D. et al., 19.7-249
Bourquin, K. R. et al., 19.10-357
Clear air turbulence development
Ludlam, F. H., 19.4-331
Panofsky, H. A., 19.9-434
Phillips, O. M., 19.9-435
Clear air turbulence effects on aircraft
Kordes, E. E. et al., 19.2-237
Clear air turbulence electricity
TenBroek, H. W. et al., 19.10-359
Clear air turbulence forecasting
Endlich, R. M. et al., 19.11-191
Clear air turbulence frequencies
Sissons, J., 19.10-358
Clear air turbulence measurements
Colquhoun, J. R. et al., 19.8-380
Clear air turbulence–rawinsonde ascension rate relationships
Angell, J. K., 19.4-282
Clear air turbulence spectra
Pinus, N. Z. et al., 19.6-325
Reiter, E. R. et al., 19.7-340
Clear air turbulence studies
Hicks, J. J. et al., 19.2-236
Dutton, J. A., 19.4-29
Brochet, P. et al., 19.4-283
Hemmerich, K. H., 19.4-285
Panofsky, H. A. et al., 19.9-433
Clear air turbulence theories
Phillips, O. M., 19.9-435
Gland, H., 19.11-391
Clear line-of-sight probability estimation
Kauth, R. J. et al., 19.3-361
Clear sky radiance variations
Idso, S. B. et al., 19.11-335
Climate–agriculture relationships
Oliver, J., 19.7-54
Thomas, D., 19.7-55
Climate and agriculture
Sapozhnikova, S. A., 19.6-451
Cocheme, J. et al., 19.8-13
Climate and building design
Schjoedt, R. et al., 19.9-546
Climate and domestic animals
McDowell, R. E., 19.11-88
Gunnarson, H. J., 19.11-90
Climate and health
Hader, F., 19.7-464
Climate and man
Portig, W. H., 19.10-62
Climate and tree growth
Ouellet, C. E. et al., 19.1-52
Mitchell, V. L., 19.1-320
Climate and vegetation
Tsukada, M., 19.1-321
Gringof, I. G., 19.6-16
Eyre, S. R., 19.10-2
Climate and vegetation zones
Court, A., 19.1-46
Ouellet, C. E. et al., 19.1-52
Lamb, H. H., 19.9-536
Gilbert, D. E. et al., 19.10-476, 477
Climate and weather of central Asia
Akademiia Nauk SSSR, Inst. Geog., 19.10-10
Climate classifications
Ogino, Kazuhiko, 19.11-500
Climate–forest fires relationships
Shaw, R. H., 19.7-23
Climate of Africa
Lebedev, A. N. et al., 19.2-6
Lebedev, A. N., 19.11-15
Climate of Arctic Canada, American Arctic sector
Bird, J. B., 19.6-12
Climate of Bad Aussee, Austria
Steinhauser, F., 19.9-533
Climate of Barbados
Tout, D. G., 19.10-464
Climate of Berkeley County, West Virginia
Weedfall, R. O. et al., 19.6-434
Climate of Canada
Chapman, L. J. et al., 19.12-43
Climate of Casa Grande, Peru
Doberitz, R., 19.9-10
Climate of Chung-Ho Hsiang, Formosa
Wang, H. W., 19.4-371
Climate of Corsica
Lombardo, R., 19.7-449
Climate of Damodar Valley, India
Ghose, S. K., 19.7-417
Climate of Dauphine
France. Meteorologie Nationale, 19.10-461
Climate of Fengshan–Touchein River Valley, Formosa
Lee, L. P., 19.4-370
Climate of France
Garnier, M., 19.5-339
Climate of Glasgow
Plant, J. A., 19.5-338
Climate of Indo-Pakistan Subcontinent
Spate, O. H. K. et al., 19.10-9
Climate of Lake Ladoga, R.S.F.S.R. (European)
Veselova, M. F. et al., 19.8-456
Climate of Laos
Grimes, A. E., 19.6-54
Climate of Leningrad, R.S.F.S.R. (European)
Pokrovskaia, T. V. et al., 19.3-3
Borisov, A. A., 19.6-41
Climate of lower Rio Grande Valley, Texas
Orton, R. et al., 19.10-463
Climate of Mexico
Cordes, H., 19.9-531
Climate of Munich, Federal Republic of Germany
Kratzer, A., 19.12-424
Climate of Near East
Ashbel, D., 19.9-530
Climate of Neue Welt Valley, Austria
Bader, F., 19.7-464
Climate of New York
Dethier, B. E. et al., 19.7-447
Climate of North Munster, Irish Republic
Rohan, P. K., 19.11-17
Climate of Novaya Zemlya, Soviet Arctic sector
Kanevskii, Z. M. et al., 19.12-425
Climate of Pecos area, Texas
Cox, J. L., 19.8-454
Climate of Placer County, California
Calif. Univ., Davis. Agric. Ext. Serv., 19.10-15
Elford, C. R. et al., 19.10-458
Climate of Puerto Chicama, Peru
Doberitz, R., 19.9-10
Climate of Sakhalin
Zemtsova, A. I., 19.11-18
Climate of Scarsdale, New York
Pack, A. B. et al., 19.7-446
Climate of Sinkiang, China
Murzaev, E. M., 19.6-13
Climate of Slovakia, Czechoslovakia
Petrovic, S., 19.2-7
Climate of South Carolina
Landers, H., 19.9-532
Climate of Southeast Asia
Fujioka, Y., 19.7-445
Climate of Soviet Union
Borisov, A. A., 19.6-8
Climate of Strbske Pleso, Czechoslovakia
Petrovic, S., 19.6-433
Climate of Texas, United States
Carr, J. T., Jr., 19.1-317

Climate of the coasts of France
Darchen, J., 19.5-13
Climate of Thuringia, German Democratic Republic
Jaeger, H., 19.1-319
Climate of Tiflis, Georgian S.S.R.
Chirakadze, G. I., 19.10-471
Climate of Ukrainian S.S.R.
Prikhot'ko, G. F. et al., 19.5-12
Climate of Waikato Basin, New Zealand
De Lisle, J. F., 19.1-318
Climate of Western Greenland
Rodewald, M., 19.10-467
Climate of Yangmingshan, Formosa
Kang, Y. C., 19.4-369
Climate–vegetation relationships
Ahrnsbrak, W. F., 19.10-279
Climates of geographical zones
Gilbert, D. E. et al., 19.10-476, 477
Climatic atlas of Bremen
Germany. Deutscher Wetterdienst, 19.10-22
Climatic atlas of Caracas Valley
Bianco, J. M., 19.9-332
Climatic atlas of Hamburg
Germany. Deutscher Wetterdienst, 19.10-22
Climatic atlas of Hungary
Hungary. Orsz. Met. Intezet, 19.8-27
Climatic atlas of New York
Dethier, B. E. et al., 19.7-447
Climatic atlas of Poland
Wiszniewski, W., 19.11-479
Climatic atlas of Schleswig-Holstein
Germany. Deutscher Wetterdienst, 19.10-22
Climatic atlases
Weyant, W. S., 19.6-34
Wiszniewski, W., 19.11-479
Climatic change dating
Labeyrie, J. et al., 19.11-483
Climatic change influences
Landsberg, H. E., 19.10-466
Climatic change research
Mitchell, J. M., Jr., 19.4-374
Drozdov, O. A., 19.12-430
Climatic change theories
Van Genderen, A. M., 19.4-4
Budyko, M. I., 19.6-436
Von Rudloff, H., 19.7-275
Beckinsale, R. P., 19.9-534
Mintz, Y., 19.11-311
Bryson, R. A., 19.11-480
Lorenz, E. N., 19.11-484
Vukovich, F. M. et al., 19.11-487
Cox, A., 19.11-488
Damon, P. E., 19.11-489
Donn, W. L. et al., 19.11-490
Weyl, P. K., 19.11-491
Eriksson, E., 19.12-431
Lamb, H. H., 19.12-433
Climatic changes
Hoyanagi, M., 19.1-34
Tsukada, M., 19.1-321
Mercer, J. H., 19.4-373
Hays, J. D. et al., 19.5-478
Raikes, R., 19.6-14
Frenzel, B., 19.6-15
Colinvaux, P. A., 19.6-438
Olausson, E., 19.6-439
Miles, M. K., 19.6-440
Wahl, E. W., 19.6-441
Kuzkov, A. A., 19.7-452
Bryson, R. A. et al., 19.9-11
Dettwiller, J., 19.9-535
Lamb, H. H., 19.9-536
Stuiver, M., 19.10-228
Clark, J. A., 19.10-465
Butzer, K. W. et al., 19.11-481
Suess, H. E., 19.11-482
Budyko, M. I., 19.12-428
Damon, P. E., 19.12-429
MacDougall, I. et al., 19.12-435
Climatic changes-phytoplankton abundance relationships
Tappan, H., 19.11-486
Climatic charts for mountain regions
Steinhauser, F., 19.6-435
Climatic classification
Hurst, F. B., 19.5-347
Fujioka, Y., 19.7-445
Perez Espinosa, M., 19.9-542
Tarabek, K., 19.10-474
Papadakis, J., 19.12-25
Eyre, L. A., 19.12-439
Tiushin, Iu. I. et al., 19.12-440
Climatic classification charts
Ambe, Y., 19.2-308
Climatic classification schemes
Court, A., 19.1-46
Climatic data
U. S. Air Weather Service, 19.5-40
Garnier, M., 19.5-339
Borisov, A. A., 19.6-8
Switzerland. Met. Zentral., 19.7-123
U. S. Environ. Data Serv., 19.7-125
Lombardo, R., 19.7-449
Zemtsova, A. I., 19.11-18
Climatic data analysis
Court, A., 19.2-117
Shi, Y., 19.2-307
Brown, D. M. et al., 19.4-378
Richards, P. A. et al., 19.11-126
Posey, C. J., 19.12-74
Climatic data for Africa
Lebedev, A. N., 19.11-16
Climatic data for Argonne, Illinois
U. S. Argonne Natl. Lab., Argonne, Ill., 19.11-7
Climatic data for building industry
Smedley, D., 19.12-426
Climatic data for Caribbean Region
U. S. Air Weather Service, 19.8-455
Climatic data for Central America
U. S. Air Weather Service, 19.8-455
Climatic data for France
Brochet, P., 19.11-478
Climatic data for Ilianna Lake, Alaska
Gunnerod, T. B., 19.8-768
Climatic data for Mexico
U. S. Air Weather Service, 19.8-455
Climatic data for northern Sweden
Ager, B., 19.11-466
Climatic data for Norway Station, Antarctica
South Africa. Weather Bureau, 19.4-372
Climatic data for Salt Lake County, Utah
Iorns, W. V. et al., 19.9-843
Hely, A. G. et al., 19.12-72
Climatic data for SANAE Station, Antarctica
South Africa. Weather Bureau, 19.4-372
Climatic data for Thailand
Ogiono, K., 19.11-500
Climatic data for Tucumcari, New Mexico
Williams, D. H., 19.1-75
Climatic data processing
Sapozhnikova, S. A., 19.12-62
Climatic data summaries
Soine, O. C., 19.8-97
Nelson, H. L., 19.10-462
U. S. Argonne Natl. Lab., Argonne, Ill., 19.11-7
Climatic data tables
Austria. Hydrographisches Zentralbuero, 19.10-459
Climatic determinism
Tochilenko, G. Ia., 19.2-310
Manley, G., 19.3-674
Washbourn, C. K., 19.5-344
Cita, M. B. et al., 19.6-437
Colinvaux, P. A., 19.6-438
Gumilev, L. N., 19.7-451
Ludlum, D. M., 19.11-464
Lorenz, E. N., 19.11-484
Julian, P. R. et al., 19.12-432

Lorius, C. et al., 19.12-434
Climatic effects
Shaw, R. H., 19.7-23
Climatic effects of Arctic ice
Fletcher, J. O., 19.11-333
Donn, W. L. et al., 19.11-490
Climatic effects on agricultural production
Maunder, W. J., 19.3-37
Climatic effects on animal performance
McDowell, R. E., 19.7-66
Climatic effects on animal physiology
Johnson, H. D., 19.7-65
Whittow, G. C., 19.7-68
Williams, C. M., 19.7-69
Wilson, W. G., 19.7-70
Climatic effects on animals
Vibe, C., 19.7-71
Ashcroft, G. L., 19.11-506
Climatic effects on atmospheric electricity
Cobb, W. E., 19.9-566
Climatic effects on banana plantations
Knapp, R. et al., 19.5-52
Climatic effects on citrus
Lomas, J. et al., 19.9-103
Climatic effects on citrus growth
Newman, J. E. et al., 19.7-61
Climatic effects on corn
Shevchenko, N. Ia., 19.2-55
Paduraru, A. et al., 19.11-86
Climatic effects on corn yield
Svirina, V. V., 19.9-512
Climatic effects on crops
Jensen, M. C., 19.11-429
Climatic effects on domestic animals
Bianca, W., 19.6-80
Climatic effects on drying processes
Warboys, I. B., 19.7-443
Climatic effects on evaporation
Linacre, E. T., 19.6-364
Climatic effects on fish
Bumpus, D. F., 19.7-444
Climatic effects on forage production
Skovlin, J. M., 19.6-72
Climatic effects on forest productivity
Jaeger, H., 19.1-319
Sukachev, V. et al., 19.7-74
Climatic effects on glaciation
Ivanovskii, L. N., 19.8-458
Climatic effects on glaciers
Hoinkes, H., 19.5-343
Schytt, V., 19.6-721
Climatic effects on horticulture
Ouellet, C. E. et al., 19.1-52
Climatic effects on insects
Edney, E. B., 19.6-450
Climatic effects on livestock diseases
Smith, L. P. et al., 19.7-73
Climatic effects on man
Daniels, F., 19.6-77
Gumilev, L. N., 19.7-451
Climatic effects on plant diseases
Wallin, J. R., 19.7-185
Climatic effects on plant growth
Fitzpatrick, E. A. et al., 19.10-55
Climatic effects on plant life
Hosokawa, T., 19.11-493
Climatic effects on plants
Hughes, A. P., 19.2-194
Beatley, J. C., 19.6-429
Climatic effects on sea water mixing
Georgiev, Iu. S., 19.11-725
Climatic effects on sugar beet growth
Mikhailova, N. I., 19.9-101
Climatic effects on sugar beets
Paduraru, A. et al., 19.11-86
Climatic effects on tree growth
Holtmeier, F. K., 19.6-74
Wilcox, J. R., 19.7-75
Climatic effects on vegetation
Major, J., 19.7-466
Climatic effects on winter wheat
Sakali, L. I. et al., 19.9-354
Climatic fluctuations
Frenzel, B., 19.6-15
Borisov, A. A., 19.6-41
Cita, M. B. et al., 19.6-437
Gumilev, L. N., 19.7-451
Pejml, K., 19.7-453
Climatic influences on currents
Leonov, A. K., 19.7-746
Climatic influences on geomorphology
Kim, D. J., 19.11-27
Climatic influences on soil
Kim, D. J., 19.11-27
Climatic mapping
Steinhauser, F., 19.6-435
Climatic maps
Thomas, M. K. et al., 19.11-47
Climatic modification
Bilancini, R., 19.6-187
Climatic normal rainfall analysis
Maine, R. et al., 19.3-102
Climatic normals
Court, A., 19.2-117
Climatic oscillations
Reed, R. J., 19.8-459
Climatic patterns–irrigation relationships
Landsberg, H. E. et al., 19.7-441
Climatic periodicities
Hela, I., 19.1-322
Climatic probability nomograms
Lackey, E. E., 19.11-111
Climatic processes
Khromov, S. P., 19.8-47
Climatic records
Pedgley, D. E., 19.9-391
Climatic regions
Tarabek, K., 19.10-474
Climatic statistics
Jagannathan, P. et al., 19.7-448
Climatic studies
Borisov, A. A., 19.6-8
Calif. Univ., Davis. Agric. Ext. Serv., 19.10-15
Climatic surveys
Orton, R. et al., 19.10-463
Tout, D. G., 19.10-464
Climatic tables
Hungary. Orsz. Meteor. Intezet, 19.8-27
Climatic trends
Hela, I., 19.1-322
Wahl, E. W., 19.6-441
Climatic variation effects on glaciers
Dightman, R. A., 19.3-355
Climatic variation effects on sea level
Jelgersma, S., 19.5-641
Climatic variations
Ambe, Y., 19.2-308
Ambach, W. et al., 19.5-342
Kuzkov, A. A., 19.5-348
Schindler, G., 19.7-320
Link, F., 19.9-568
Rodewald, M., 19.10-467
Climatic variations–general circulation variations relationships
Von Rudloff, H., 19.7-275
Climatic variations, New Zealand
Hendy, C. H. et al., 19.12-436
Climatic variations–tree ring growth relationships
Fritts, H. C., 19.7-450
Climatic zones
Karnatsevich, I. V., 19.11-424
Tiushin, Iu. I. et al., 19.12-440
Climatological cartography
Rubinshtein, E. S., 19.12-427
Climatological data processing program
Fribourg, H. A. et al., 19.9-150
Climatological education
Kazeck, M. E., 19.9-39
Climatological normals
Jagannathan, P. et al., 19.7-448
Climatological research
Garnier, B. J., 19.12-420
Orlova, V. V. et al., 19.12-422
Climatological services
Buchinskii, I. E., 19.9-57

Climatological yearbooks
  Belgium. Institut Royal Meteorologique, 19.11-50
Climatology bibliographies
  Grimes, A. E., 19.2-41
  Vitale, C. S., 19.2-43
  Grimes, A. E., 19.6-54
  Poland. Panstwowy Inst. Hydrol. Met., 19.11-74
Climatology manuals
  Kazeck, M. E., 19.9-39
Climatology of Japan
  Shitara, H., 19.1-35
Climatology of Lake Laach area, Fed. Rep. of Germany
  Henning, I., 19.9-8
Climatology of Lake Michigan, Great Lakes
  Ayers, J. C. et al., 19.12-785
Climatology of U.S.S.R.
  Orlova, V. V. et al., 19.12-422
Climatology textbooks
  Rumney, G. R., 19.8-1
Climatotherapy
  Hader, F., 19.7-464
Cloche temperatures
  Kaneseki, S., 19.8-346
Cloud bands
  Hill, G. E., 19.12-342
Cloud base and top heights
  Shishkina, L. D., 19.12-350
Cloud base forecasting
  Kozharin, V. S., 19.3-286
Cloud base height variations
  Rubinshtein, M. V., 19.2-283
  Kozharin, V. S., 19.3-286
Cloud chamber measurements
  Vali, Gabor, 19.11-442
Cloud chambers
  Dzhgamadze, O. S. et al., 19.6-367
  Steele, R. L. et al., 19.11-434
Cloud condensation nuclei
  Lationov, A. G., 19.7-388
Cloud convection
  Arnason, G. et al., 19.9-497
Cloud cover
  U. S. Weather Bureau, 19.6-293
Cloud cover effects on visibility
  Cohen, S. M., 19.10-483
Cloud cover maps
  Popova, T. P. et al., 19.3-284
  Sycheva, E. F., 19.7-392
Cloud cover singularities
  Fedorova, A. A., 19.11-332
Cloud crystallization
  Koenig, L. R., 19.9-498
Cloud detection
  Brierley, D. M., 19.9-184
Cloud development
  Tsitovich, T. A., 19.5-295
Cloud distribution
  Lobanova, V. Ia., 19.7-391
Cloud drop charge measurement techniques
  Chao, Y. T. et al., 19.6-156
Cloud drop growth
  Uchida, E., 19.2-273
  Berry, E. X., 19.2-275
  Levin, L. M. et al., 19.5-290
  Enukashvili, I. M., 19.6-368
  Goral', G. G., 19.9-501
  Berry, E. X., 19.11-448
  Scott, W. T., 19.12-332
  Warshaw, M., 19.12-335
  Levin, L. M. et al., 19.12-337
Cloud drop–precipitation particle relationships
  Lyons, R. D., 19.12-347
Cloud droplet coagulation
  Enukashvili, I. M., 19.6-368, 369, 370, 371
Cloud droplet coalescence
  Scott, W. T., 19.2-276
  Levin, L. M. et al., 19.5-290
  Scott, W. T. et al., 19.5-292
  MacCready, P. B., Jr. et al., 19.12-331
  Scott, W. T., 19.12-332
  Warshaw, M., 19.12-335
Cloud droplet collision
  Takeda, T., 19.12-333
Cloud droplet collision efficiency
  Neiburger, M., 19.5-291
  Warshaw, M., 19.12-335
Cloud droplet concentration
  Warner, J. et al., 19.2-274
Cloud droplet formation
  Twomey, S. et al., 19.9-487
  Nelson, R. T. et al., 19.11-435
Cloud droplet nuclei
  Nelson, R. T. et al., 19.11-435
Cloud droplet photography
  Twomey, S., 19.5-299
Cloud droplet samplers
  Spyers-Duran, P. A. et al., 19.3-90
Cloud droplet sampling
  Cunningham, R. M., 19.2-279
  Twomey, S., 19.5-299
  Nevzorov, A. N., 19.8-130
  Cornford, S. G., 19.9-185
  Shifrin, K. S. et al., 19.9-187
Cloud droplet size distribution
  MacCready, P. B., Jr. et al., 19.12-331
Cloud droplet spectra
  Makuashev, M. K., 19.9-485
  Levin, L. M. et al., 19.12-337
Cloud droplets
  Twomey, S. et al., 19.1-289
Cloud effects
  Trubnikov, B. N., 19.11-306
  Pakhomov, L. A., 19.12-249
Cloud effects on illumination
  Plass, G. N. et al., 19.8-424
Cloud effects on radiation
  Laevastu, T., 19.2-92
  Fritz, S. et al., 19.3-56
  Khelkhovski, V., 19.3-204
  Palmer, T. Y. et al., 19.4-243
  Drobyshevich, V. I., 19.4-256
  Bener, P., 19.9-379
  Feigel'son, E. M., 19.12-242
Cloud estimation from satellite radiation measurements
  Zhvalev, V. F. et al., 19.1-220
  Fujita, T. et al., 19.10-89
  Merritt, E. S. et al., 19.12-85
Cloud formation
  Ninomiya, K., 19.2-280
  Neiburger, M., 19.8-205
Cloud formations
  Sasyo, Y. et al., 19.2-282
Cloud forms
  Grandjean, J., 19.4-328
Cloud glaciation
  Vali, Gabor, 19.11-442
  Mossop, S. C. et al., 19.12-338
Cloud height calculation
  Dayton, D. S., 19.5-72
Cloud height frequencies
  Medvedev, B. A., 19.6-389
  Titov, V. I., 19.10-410
Cloud height indicators
  Rubinshtein, M. V., 19.6-151
Cloud height measurement techniques
  Rubinshtein, M. V., 19.6-151
  Bradbury, D. L. et al., 19.11-443
Cloud height–synoptic situation relationships
  Shishkina, L. D., 19.12-350
Cloud instruments
  Belhouse, H. C. et al., 19.4-115
  Brierley, D. M., 19.9-184
Cloud lanes
  Borovikov, A. M. et al., 19.12-345
Cloud microstructure
  Strauch, E., 19.6-388
  Abshaev, M. T., 19.9-140
  MacCready, P. B., Jr. et al., 19.12-331
Cloud models
  List, R., 19.9-500
Cloud modification
  Bilancini, R., 19.6-187
  Jones, D. M. A. et al., 19.11-461
Cloud modification experiments
  Bradley, W. E. et al., 19.11-520
Cloud modification research
  Hosler, C. L. et al., 19.4-330
Cloud movement determination
  Serebreny, S. M. et al., 19.7-395
  Fujita, T. et al., 19.11-444

Cloud movement forecasting techniques
Freeman, J. C., Jr., 19.9-241
Cloud movement observations
Lyons, W. A. et al., 19.8-426
Cloud movement studies
Bradbury, D. L. et al., 19.11-443
Cloud moving picture photography
Bradbury, D. L. et al., 19.11-443
Cloud nuclei
Twomey, S. et al., 19.1-289
Warner, J. et al., 19.2-274
Marwitz, J. D. et al., 19.9-466
Cloud observation from airplanes
Khrgian, A. Kh., 19.12-346
Cloud observation from automatic weather stations
Belhouse, H. C. et al., 19.4-115
Cloud observation from satellites
Popova, T. P. et al., 19.3-284
Sonechkin, D. M. et al., 19.3-285
Sonechkin, D. M., 19.4-75
Widger, W. K., Jr. et al., 19.4-332
Wiegman, E. J. et al., 19.7-383, 384, 385
Godshall, F. A., 19.8-315
Beran, D. W. et al., 19.9-643
Cloud observation techniques
Belhouse, H. C. et al., 19.4-115
Godard, S. et al., 19.5-73
Cloud optics
Plass, G. N. et al., 19.8-424
Cloud pattern distribution
Wiegman, E. J. et al., 19.7-383
Cloud pattern evolution
Carlson, T. N., 19.9-330
Cloud patterns
Lyons, W. A., 19.5-298
Cloud photogrammetry
Balabuev, A. G., 19.6-381
Kartsivadze, A. I. et al., 19.6-382
Cloud photographs
Fridman, Iu. S., 19.1-87
Vederman, J. et al., 19.3-280
Grandjean, J., 19.4-328
Regula, H., 19.6-383
Scorer, R. et al., 19.10-409
Cloud photographs in color
Scorer, R. et al., 19.10-409
Cloud photography
Diubiuk, A. F. et al., 19.9-494
Lee, J. T. et al., 19.9-499
Cloud physics
Kessler, E., 19.1-13
Braham, R. R., Jr., 19.1-129
Shifrin, N. S., 19.6-2
Goral', G. G., 19.9-501
Cloud physics experiments
Pettit, K. G., 19.10-143
Steele, R. L. et al., 19.11-434
Cloud physics instruments
Spyers-Duran, P. A., 19.12-313
Cloud physics research
Hosler, C. L. et al., 19.4-330
Cloud physics studies
Weickmann, H. K. et al., 19.2-85
Uchida, E., 19.2-273
Davis, L. G., 19.3-282
Gabarashvili, T. G. et al., 19.6-372
Cloud physics symposia
Wirth, E., 19.12-336
Cloud–precipitation relationship
Harrington, E. L., 19.1-70
Srivastava, R. C., 19.6-387
Budziszewska, E., 19.7-401
Cloud properties
Kravtsova, L. M. et al., 19.7-393
Cloud seeding
Hitschfeld, W., 19.9-248
Decker, F. W., 19.11-233
Cloud seeding effectiveness
Biswas, K. R. et al., 19.2-126
Voronov, G. S. et al., 19.3-135
Gabriel, K. R., 19.6-190
Collection of data from cloud seeding..., Berkeley Symp. on Math. Stat. and Prob., 1965-66, 19.7-202
Yates, F., 19.7-216
Bowen, E. G., 19.8-203
Neiburger, M., 19.8-205
Neyman, J. et al., 19.8-206, 207
Gaivoronskii, I. I. et al., 19.9-246
Koscielski, A. et al., 19.9-249
Auer, A. H., Jr. et al., 19.11-228
Ramana, M., Bh. V. et al., 19.11-243
Reinking, R. F. et al., 19.11-245
Cloud seeding effects
Braham, R. R., Jr., 19.1-129
Litvinov, I. V., 19.5-160
MacCready, P. B., Jr. et al., 19.5-161
Litvinov, I. V., 19.6-191, 192
Wells, J. M. et al., 19.8-215
Adderley, E. E., 19.11-226
Brown, K. J. et al., 19.11-229
Grant, L. O. et al., 19.11-238
Robertson, C. E., 19.11-247
Cloud seeding effects on lightning discharges
Fuquay, D. M., 19.7-209
Cloud seeding effects on water supply
Fletcher, J. E., 19.8-195
Cloud seeding evaluation
Schmid, P. et al., 19.3-134
Elliott, R. D. et al., 19.6-189
Brier, G. W. et al., 19.7-204
Changnon, S. A., Jr. et al., 19.7-205
Eberly, D. L. et al., 19.7-207
Holland, J. D. et al., 19.7-212
James, B. R., 19.7-213
Yates, F., 19.7-216
Battan, L. J., 19.8-202
Neyman, J. et al., 19.8-206, 209
O'Mahony, G., 19.8-210
Smith, E. J., 19.8-213
Lee, J. T. et al., 19.9-499
Rinehart, R. E. et al., 19.11-120
Mueller, E. A. et al., 19.11-155
Butchbaker, A. F., 19.11-230
Changnon, S. A., Jr., 19.11-231
Crozier, C. L. et al., 19.11-232
Elliott, R. D., 19.11-235
Flueck, J. A., 19.11-236
McCarthy, J., 19.11-241
Rhea, J. O., 19.11-246
Schickedanz, P. T. et al., 19.12-141
Cloud seeding experiments
Court, A., 19.7-194
Bernier, J., 19.7-203
Grant, L. O. et al., 19.7-210
James, B. R., 19.7-213
Neyman, J. et al., 19.8-208
Prikhot'ko, G. F., 19.10-3
Companía de Luz y Fuerza del Centro, S.A., 19.10-182
Schickedanz, P. T. et al., 19.12-141
Cloud seeding from airplane
Smith, E. J. et al., 19.4-172
Henderson, T. J., 19.7-211
Cloud seeding from rockets
Ammons, R. L. et al., 19.11-227
Cloud seeding in Australia
Bowen, E. G., 19.8-203
Adderley, E. E., 19.11-226
Cloud seeding in European U.S.S.R.
Litvinov, I. V., 19.5-160; 19.6-192
Cloud seeding in India
Ramana, M., Bh. V. et al., 19.11-243
Cloud seeding in Israel
Gabriel, K. R., 19.6-190

Cloud seeding in Moldavian S.S.R.
Voronov, G. S. et al., 19.3-135
Cloud seeding in northeastern United States
Spar, J., 19.11-250
Cloud seeding in northwest India
Biswas, K. R. et al., 19.2-126
Cloud seeding in Quebec, Canada
Crozier, C. L. et al., 19.11-232
Cloud seeding in Sierra Nevada, California
Elliott, R. D. et al., 19.6-189
Cloud seeding in South Dakota, United States
Koscielski, A. et al., 19.9-249
Cloud seeding in Ukrainian, S.S.R.
Leonov, M. P. et al., 19.11-10
Cloud seeding in U.S.S.R.
Goyer, G., 19.4-171
Cloud seeding in United States
Fletcher, J. E., 19.2-123
Cloud seeding in Wimmera–Mallee, Victoria, Australia
O'Mahony, G., 19.8-210
Cloud seeding of orographic clouds
Auer, A. H., Jr. et al., 19.11-228
Elliott, R. D., 19.11-235
Grant, L. O. et al., 19.11-238
Cloud seeding potentialities
Todd, C. J. et al., 19.10-184
Grant, L. O. et al., 19.11-238
Schickedanz, P. T. et al., 19.12-141
Zaverina, M. V. et al., 19.12-343
Cloud seeding projects
Battan, L. J. et al., 19.7-201
Cloud seeding research
James, B. R., 19.7-213
Yates, F., 19.7-216
Neyman, J. et al., 19.8-206, 208, 209
Wells, J. M. et al., 19.8-215
Cloud seeding results
Collection of data from cloud seeding..., Berkeley Symp. on Math. Stat. and Prob., 1965-66, 19.7-202
Neyman, J. et al., 19.8-207
Cloud seeding–storm development relationships
Wells, J. M. et al., 19.8-215
Cloud seeding substances
Mossop, S. C. et al., 19.7-214
Gaivoronskii, I. I. et al., 19.9-246
Cloud seeding techniques
Litvinov, I. V., 19.6-191
Goyer, G. G., 19.11-237
Phillips, B. B., 19.11-242
Reinking, R. F. et al., 19.11-245
Cloud seeding with hygroscopic nuclei
Peterman, W. A., 19.11-449
Cloud seeding with metaldehyde
Fukuta, N., 19.2-127
Cloud seeding with salt
Pilie, R. J. et al., 19.2-125
Biswas, K. R. et al., 19.2-126
Cloud seeding with silver iodide
Schmid, P. et al., 19.3-134
Smith, E. J. et al., 19.4-172
MacCready, P. B., Jr. et al., 19.5-161
Decker, W. L. et al., 19.7-206
Eberly, D. L. et al., 19.7-207
Edwards, G. R. et al., 19.7-208
Henderson, T. J., 19.7-211
Holland, J. D. et al., 19.7-212
Mueller, H. G., 19.7-215
Battan, L. J., 19.8-202
Schmid, P., 19.8-212
Smith, E. J., 19.8-213
Schleusener, R. A., 19.9-250
Ammons, R. L. et al., 19.11-227
Crozier, C. L. et al., 19.11-232
Douglas, W. J., 19.11-234
Spar, J., 19.11-250
Cloud structure
Minina, L. S. et al., 19.8-299
Twomey, S. et al., 19.8-419
Cloud systems
Tsitovich, T. A., 19.5-295
Cloud temperature measurement techniques
Cunningham, R. M., 19.2-279
Cloud temperature
Harrington, E. L., 19.1-70
Dubrovina, L. S., 19.7-394
Cloud thickness
Khrgian, A. Kh., 19.12-346
Cloud-to-cloud lightning
Boer, J. H. et al., 19.10-152
Cloud-to-ground lightning
Hill, R. D., 19.8-487
Boer, J. H. et al., 19.10-152
Cloud top heights
Harrington, E. L., 19.1-70
Cloud top temperature estimation from satellite radiation measurements
Fujita, T. et al., 19.10-89
Cloud velocities
Fujita, T. et al., 19.11-444
Cloud vortex photographs analysis
Zamorskii, A. D. et al., 19.8-300
Cloud vortices
Leonov, N. G. et al., 19.4-329
Popova, T. P. et al., 19.5-120
Zamorskii, A. D. et al., 19.8-300
Cloud water content measurements
Lyons, R. D., 19.12-347
Cloud water content meters
Sutherland, J. L., 19.12-93
Cloudiness analysis
Sycheva, E. F., 19.7-392
Cloudiness at sea
Holle, R. L., 19.7-390
Cloudiness calculations
Krishnamurti, T. N., 19.7-109
Cloudiness data
Bunsch, Z., 19.6-163
Cloudiness effects
Davydova, O. A. et al., 19.4-261
Cloudiness effects on radiation
Feigel'son, E. M., 19.1-292
Belov, P. N. et al., 19.4-240
Quinn, W. H. et al., 19.5-214
Andritoiu, N., 19.8-316
Pochop, L. O. et al., 19.10-291
Samukashvili, R. D., 19.11-338
Quinn, W. H. et al., 19.11-351
Farkas, O. et al., 19.12-225
Cloudiness effects on scintillation
Paperlein, D., 19.3-364
Cloudiness effects on solar radio emission reception
Iurovskii, Iu. F., 19.11-616
Cloudiness estimation
Woerner, H., 19.1-69
Cloudiness observation techniques
Sonechkin, D. M., 19.4-75
Widger, W. K., Jr. et al., 19.4-332
Cloudiness regime
Lobanova, V. Ia., 19.7-391
Titov, V. I., 19.10-410
Cloudiness–terrestrial radiation relationships
Woerner, H., 19.1-69
Cloudiness variations
Sonechkin, D. M. et al., 19.3-285
Clouds on Venus
Morowitz, H. et al., 19.1-486
Drake, F. D., 19.3-543
Zander, R., 19.3-558
Bartko, F. et al., 19.6-601
Keene, G. T., 19.7-666
Rea, D. G. et al., 19.7-669
Arking, A. et al., 19.10-681
Cloudy atmospheres
Feigel'son, E. M., 19.12-242
Coal dust explosions
Helwig, N., 19.6-205
Coalescence models
Marcus, A. H., 19.6-375

- **Coalescence of cloud drops**
  - Levin, L. M. et al., 19.5-290
  - Scott, W. T. et al., 19.5-292
- **Coalescence of drops**
  - Adam, J. R. et al., 19.12-322
- **Coalescence studies**
  - Scott, W. T., 19.2-276
- **Coastal climates**
  - Doberitz, R., 19.9-10
- **Coastal currents**
  - Titov, V. B. et al., 19.4-671
  - Bowden, K. F. et al., 19.5-701
  - Skriptunov, N. A., 19.9-795
  - Cheredilov, B. F., 19.11-415
- **Coastal desert**
  - Amiran, D. H. K., 19.9-543
  - Schreiber, J. F., Jr., 19.11-503
- **Coastal effects on geomagnetism**
  - Grenet, G., 19.9-637
- **Coastal engineering**
  - Lockwood, M. G. et al., 19.2-573
  - Kubo, M. et al., 19.10-766
- **Coastal oceanographic studies**
  - Koontz, W. A. et al., 19.1-529
  - Zenkovich, V. P. et al., 19.5-700
- **Coastal oceanography**
  - Lockwood, M. G. et al., 19.2-573
- **Coastal research**
  - Kolp, O. et al., 19.1-11
  - Schreiber, J. F., Jr., 19.11-503
- **Coastal sediment formation**
  - Pavlidis, I. A., 19.11-23
- **Coastal sediment transport**
  - Hume, J. D. et al., 19.1-570
- **Coastal storms**
  - Truitt, R. V., 19.9-344
- **Coastal surface drifts**
  - Tripp, R. T., 19.5-21
- **Coastal tidal currents**
  - Nowroozi, A. A. et al., 19.8-717
- **Coastal water pollution**
  - Mironov, O. G., 19.9-761
- **Coastal weather**
  - Schroeder, M. J., 19.4-239
- **Cod fishing**
  - Milinskii, G. I., 19.7-76
- **Code manuals**
  - U. S. Weather Bureau, 19.9-213
- **Coding methods**
  - Mariners Weather Log, 19.4-142
  - International Years of the Quiet Sun, 1964-1965, 19.9-211
- **Coefficient of turbulent viscosity**
  - Kamenkovich, V. M., 19.11-313
- **Cold air drainage**
  - Preston-Whyte, R. A., 19.12-217
- **Cold air mass movement**
  - Sokhov, T. Z. et al., 19.7-360
- **Cold climate engineering**
  - Peschanskii, I. S., 19.1-12
- **Cold climates**
  - Williams, C. M., 19.7-69
- **Cold effects on man**
  - Kreider, M. B., 19.10-61
- **Cold front effects**
  - Fazzini, M. C. et al., 19.7-568
- **Cold front winds**
  - Ju, J. J. et al., 19.6-169
- **Cold fronts**
  - Hovey, W. et al., 19.6-281
- **Cold lows**
  - Carlson, T. N., 19.9-330
- **Cold lows aloft**
  - Carlson, T. N., 19.3-186
- **Cold lows aloft movement**
  - Nikleva, S., 19.7-286
- **Cold polar air invasion**
  - Jalu, R. et al., 19.8-440
- **Cold region bioclimatology**
  - Taylor-Ellis, E. C., 19.3-97
- **Cold vortex analysis**
  - Nakajima, C., 19.3-188
- **Cold water advection**
  - Georgiev, Iu. S., 19.10-740
- **Cold water regions**
  - Maeda, S., 19.12-730
- **Cold wave occurrences**
  - Bedi, H. S. et al., 19.6-282
- **Cold waves**
  - Novskaia, A. I., 19.8-348
- **Cold waves, India**
  - Raghavan, K., 19.4-264
- **Collected biology papers**
  - Arctic biology, 19.11-43
- **Collected geological papers**
  - Mather, K. F., 19.6-31
  - U. S. Geol. Survey, 19.11-44
- **Collected geomagnetism papers**
  - Matsushita, S. et al., 19.10-21
- **Collected hydrological papers**
  - Advances in Hydroscience, N. Y. Academic Press, 1967, 19.9-34
  - Federov, E. K., 19.11-32
  - Intl. Hydro. Decade, Czech. Natl. Comm., 19.11-35
  - Kyoto, Japan Univ. Geophysical Inst., 19.12-20
- **Collected ionospheric bibliographies**
  - Wright, J. W. et al., 19.4-11
- **Collected meteorological papers**
  - Atmospheric Research Aircraft Instrumentation Workshop and Symposium, Oklahoma City, Nov. 1966, 19.2-15
  - Chaney, L. W. et al., 19.2-16
  - Henry, W. K. et al., 19.2-17
  - Norway. Meteorologiske Institut, 19.2-18
  - Kao, Y. H., 19.9-28
  - Federov, E. K., 19.11-32
- **Collected meteorological theses**
  - Sanders, F., 19.2-19
- **Collected noctilucent cloud papers**
  - Vsesoiuznoe Astronomo-Geodezicheskoe Obshchestvo, 19.5-19
- **Collected oceanographic papers**
  - Kolp, O. et al., 19.1-11
  - Iselin, C. O'D. et al., 19.1-19
  - Korea. Hydrographic Office, 19.3-9
  - U. S. Navy Electronics Lab., San Diego, Calif., 19.3-10
  - Advances in Hydroscience, N. Y. Academic Press, 1967, 19.9-34
  - Kyoto, Japan Univ. Geophysical Inst., 19.12-20
- **Collected papers on arid zones**
  - Hills, E. S., 19.11-34
- **Collected radio science papers**
  - Ma, M. T., 19.11-42
- **Collected reprints**
  - International Indian Ocean Expedition, 19.2-21
- **Collected satellite papers**
  - Cormier, R. V. et al., 19.11-30
- **Collected space physics papers**
  - Fahleson, U. et al., 19.1-155
- **Collected space science papers**
  - Albright, G. A. et al., 19.1-21
  - Internat. Space Science Sympos., 1965, 19.6-32
- **Collected works of P. L. Kapitsa**
  - Kapitsa, P. L., 19.10-18
- **Collisional energy-exchange rate**
  - Hartle, R. E. et al., 19.8-596
- **Color of fish**
  - Hemmings, C. C., 19.2-547
- **Color of lakes**
  - Petrov, B. M., 19.4-744
- **Color of Moon**
  - Middlehurst, B. M., 19.2-492
  - Adams, J. B., 19.2-493
  - Rawlings, G. C. I., 19.5-360
  - Rackham, T. W., 19.6-591
  - Sergeeva, A. N., 19.6-597
  - Mikhail, J. S., 19.7-658
- **Color of sea water**
  - Fiedler, R. et al., 19.5-333
- **Color photography**
  - Suomi, V. E. et al., 19.11-606
- **Colored rain**
  - Strobel, J., 19.5-252
- **Colorimetric analysis**
  - Nash, T., 19.5-167
- **Colorimetric methods**
  - Michalczewski, M., 19.9-123

Comet Alcock (1963 III)
Sekanina, Z., 19.11-669
Comet Alcock (1963b)
Grudzinska, S., 19.5-586, 588
Comet Halley
Strong, J., 19.6-607
Comet Ikeya-Seki (1965f)
Herring, A. K., 19.3-585
Larson, S. M., 19.3-586
Thackeray, A. D. et al., 19.3-587
Evans, C. et al., 19.5-587
Matiagin, V. S. et al., 19.6-608
Vsekhsviatskii, S. K., 19.9-698
Chernykh, N. S., 19.12-611
Comet Wirtanen (1957 VI)
Sekanina, Z., 19.13-614
Comet brightness
Mokhnach, D. O., 19.3-588
Comet brightness variations
Grudzinska, S., 19.5-586
Sekanina, Z., 19.11-669
Comet coma
Rahe, J., 19.10-693
Comet diffusion
Sekanina, Z., 19.12-614
Comet ionization
Wallis, M. K., 19.7-681
Comet matter effects on ionosphere
Ivanov, K. G., 19.8-666
Comet motion
Sekanina, Z., 19.12-614
Comet observations
Beyer, M., 19.2-503
Vsekhsviatskii, S. K., 19.3-584
Herring, A. K., 19.3-585
Larson, S. M., 19.3-586
Vsekhsviatskii, S. K. et al., 19.8-667, 668
Konopleva, V. P. et al., 19.9-697
Vsekhsviatskii, S. K., 19.9-698
Comet orbits
Strong, J., 19.6-607
Sekanina, Z., 19.11-669; 19.12-614
Comet photometry
Riives, V. G., 19.3-583
Comet probes
Strong, J., 19.6-607
Comet spectra
Thackeray, A. D. et al., 19.3-587
Evans, C. et al., 19.5-587
Grudzinska, S., 19.5-588
Gondolatsch, F., 19.12-612
Comet structure
Rahe, J., 19.10-693
Comet tails
Matiagin, V. S. et al., 19.6-608
Chernukh, N. S., 19.12-611
Cometary collisions with the Earth
Crook, K. A. W., 19.1-495
Cometary dust in the upper atmosphere
Ivanov, K. G., 19.8-666
Cometary heads
Mokhnach, D. O., 19.3-588
Cometary physics
Vsekhsviatskii, S. K., 19.3-584
Biermann, L., 19.5-585
Wallis, M. K., 19.7-681
Comets
Lyttleton, R. A., 19.9-671
Comets, 1954-1960
Vsekhsviatskii, S. K., 19.3-584
Comfort climate
Portig, W. H., 19.10-62
McNall, P. E., 19.11-93
Comfort indexes
Watt, G. A., 19.5-56
Comfort sensation
Gregorczuk, M. et al., 19.2-216
Hounam, C. E., 19.2-217
Comfort zones
Gregorczuk, M., 19.11-508
Commercial fish productivity forecasting
Bogdanov, M. A., 19.3-44
Commonwealth Meteorological Conference
Race, H. M., 19.6-93
Communication satellites
Knudsen, W. C. et al., 19.10-647
Holmes, D. W., 19.11-63
Schmid, P. E., 19.11-605
U. S. Natl. Aero. & Space Adm., 19.12-40
Brown, R., 19.12-562
Communication techniques
Osherov, V. E., 19.8-6
Compendium of geophysics
International dictionary of geophysics, 19.4-2
Complex climatology
Olszewski, J. L., 19.11-477
Composition of planets
Hoyle, F. et al., 19.7-664
Compton scattering
Rees, M. J., 19.7-651
Computation aids
Fribourg, H. A. et al., 19.9-150
Computer applications
Finney, J. W. et al., 19.9-112
Computer applications in hydrometeorology
Bychkov, N. F. et al., 19.10-455
Computer applications to cosmic ray data
Shea, M. A. et al., 19.9-40
Computer applications to oceanography
Ciriani, T. A. et al., 19.9-228
Computer applications to radio wave propagation
Robinson, E. A., 19.3-7
Computer programs
Robinson, E. A., 19.3-7
Weaver, C. R. et al., 19.7-400
McLellan, C. et al., 19.7-694
Viezee, W. et al., 19.9-215
Wilk, K. E. et al., 19.10-93
Mitchell, J. K., 19.10-414
Bychkov, N. F. et al., 19.10-455
Guterman, I. G. et al., 19.11-377
Computer uses
Lobanova, V. Ia., 19.11-441
Computer uses in agrometeorology
Sinel'shchikov, V. V., 19.9-92
Computer uses in astronomy
Bourquin, L. B., 19.12-10
Computer uses in meteorology
Nikolaev, Iu. V. et al., 19.10-168
Nagurnyi, A. P., 19.10-174
Giorgini, A., 19.10-328
Condensation coefficients
Levenson, L. L., 19.6-373
Condensation kinetics
Berg, T. G. O. et al., 19.9-483
Condensation level
Aldaz, L. et al., 19.6-414
Fliri, F., 19.8-399
Condensation nuclei
Uchida, E., 19.2-273
Condensation nuclei counters
Theves, B., 19.1-111
Kassner, J. L., Jr., 19.12-96
Condensation nuclei formation
Spurny, K. R. et al., 19.9-489
Bricard, J. et al., 19.12-326
Condensation nuclei measurements
Podzimek, J., 19.10-400
Condensation nuclei spectrum
Twomey, S. et al., 19.9-487
Condensation nuclei theories
Levin, L. M. et al., 19.5-287
Condensation of water vapor
Gerard, R. D. et al., 19.4-325
Iuskeselieva, L., 19.11-425
Condensation pressure calculation
Barnes, S. L., 19.11-116
Condensation processes
Aleksandrov, E. L. et al., 19.1-287
Rozenberg, G. V., 19.2-143
Aleksandrov, E. L. et al., 19.5-284
Ermoshina, L. I. et al., 19.5-286
Levin, L. M. et al., 19.5-287

Condensation temperature calculation
Barnes, S. L., 19.11-116
Condensation trails from satellites
Twomey, S. et al., 19.9-487
Conductivity
Ivanovskii, A. I., 19.1-340
Conference reports
Joint Panel on Oceanographic Tables and Standards, Berne, Oct. 1967, 19.10-730
Congressional hearings on cloud modification
Dominick, P., 19.3-133
Conjugate points
Campbell, W. H. et al., 19.1-428
Hargreaves, J. K. et al., 19.4-465
Annexstad, J. O., 19.4-515
Ben'kova, N. P. et al., 19.5-396
Raspopov, O. M. et al., 19.5-497, 498
Ecklund, W. L. et al., 19.6-511
Hargreaves, J. K., 19.6-529
Annexstad, J. O. et al., 19.7-598; 19.11-573
Constant level balloon flights
Lichfield, E. W. et al., 19.6-123
Constant level balloons
NCAR Quarterly, Summer 1967, 19.6-122
Continental climates
Roberts, J. A., 19.7-457
Continental drift
Orowan, E., 19.8-740
Continental drift-paleoclimate relationships
Cox, A., 19.11-488
Continental drift theories
Takeuchi, H. et al., 19.11-26
Hurley, P. M., 19.12-530
Continental effects
Scherhag, R., 19.3-168
Continental effects on temperature
Khanevskaia, I. V., 19.1-225
Continental shelf waves
Mooers, C. N. K. et al., 19.6-319
Continentality
Hela, I., 19.1-322
Contour chart analyses
Chernyshev, G. A., 19.9-84
Contour ridging effects on runoff
Surmach, G. P., 19.7-838
Contrail effects on radiation balance
Reinking, R. F., 19.10-408
Contrail formation
Bowley, C. J., 19.1-293
Contrast threshold
Gambling, D. J. et al., 19.7-478
Convection
Ludlam, F. H., 19.1-132
Convection cell models
Somerville, R. C. J., 19.2-156
Convection dynamics
Somerville, R. C. J., 19.2-156
Sasaki, Y., 19.5-272
Arnason, G. et al., 19.9-313
Orlova, E. M., 19.9-314
Convection in boundary layer flow
Malkus, W. V. R. et al., 19.12-172
Convection in Earth's mantle
Oxburgh, E. R., 19.8-567
Tozer, D. C., 19.8-568
Convection in fluids
Davis, S. H., 19.7-357
Kraus, E. B., 19.10-755
Convection in lakes
Hoare, R. A., 19.7-794
Convection in mesosphere
Skuratova, I. S. et al., 19.3-254
Convection in planets
Ashworth, D. G., 19.8-656, 657
Convection in sea water
Filippov, D. M. et al., 19.1-540
Convection patterns
Hardy, K. R., 19.3-250
Convection–rainfall amount distribution relationships
Elliott, A., 19.7-413
Convection theories
Leith, C. E., 19.3-157
Pastushkov, R. S. et al., 19.3-253
Trubnikov, B. N., 19.3-255
Sasaki, Y., 19.6-353
Lilly, D. K., 19.7-170
Davis, S. H., 19.7-357
Janovska, I., 19.10-237
Convection–turbulence processes
Lomaia, O. V., 19.6-386
Convective activity
Papai, G., 19.1-273
Morton, B. R., 19.5-271
Convective cell theories
Sasaki, Y., 19.6-353
Lilly, D. K., 19.7-170
Janovska, I., 19.10-237
Convective cells
Arnason, G. et al., 19.9-313
Skuratova, I. S. et al., 19.10-207
Convective cloud development
Haman, K., 19.5-297
Peskov, B. E., 19.6-278
Golden, J. H., 19.6-384
Lomaia, O. V., 19.6-386
Krishnamurti, T. N., 19.7-109
Lobanova, V. Ia., 19.7-391
Arnason, G. et al., 19.8-428
Sulakvelidze, G. K., 19.9-225
Convective cloud dissipation
Arnason, G. et al., 19.8-428
Convective cloud dynamics
Arnason, G. et al., 19.8-428
Convective cloud mechanism
Arnason, G. et al., 19.8-428
Lapcheva, V. F., 19.9-142
Convective cloud seeding
Prikhot'ko, G. F., 19.10-3
Todd, C. J. et al., 19.10-184
Auer, A. H., Jr. et al., 19.11-228
Convective cloud structure
Fraedrich, K., 19.8-281
MacCready, P. B., Jr. et al., 19.12-331
Convective cloud thermodynamics
Lapteva, L. M., 19.7-270
Lebedev, S. L., 19.9-309
Sulakvelidze, G. K., 19.9-520
Convective clouds
Papai, G., 19.1-273
Reshetov, G. D., 19.6-283
Convective clouds–wind field correlation
Pastushkov, R. S. et al., 19.11-423
Convective columns
Ward, N. B., 19.10-391
Convective currents
Janovska, I., 19.10-237
Convective currents in Earth's mantle
Oxburgh, E. R. et al., 19.12-736
Convective heat transfer
Yen, Y. C., 19.8-286
Lykov, A. V. et al., 19.11-38
Gukhman, A. A. et al., 19.11-294
Karasev, E. K., 19.11-295
Mitskevich, A. I., 19.11-299
Petukhov, B. S., 19.11-300
Rozenshtok, Iu. L., 19.11-302
Convective index charts
Sly, W. K., 19.6-354
Convective index-hail relationships
Sly, W. K., 19.6-354
Convective index-lightning relationships
Sly, W. K., 19.6-354
Convective mixing in upper layers of sea
Doronin, Iu. P. et al., 19.2-560
Convective motion
Fosberg, M. A., 19.3-229
Goetz, G. et al., 19.7-344
Koschmieder, E. L., 19.7-673

Durney, B., 19.12-182
Convective motion in photosphere
Lambert, D. L. et al., 19.12-626
Convective ocean circulation
Filippov, D. M. et al., 19.12-717
Convective rainfall
Woodley, W. L., 19.10-94
Convective spherical shells
Durney, B., 19.12-179
Convective storms
Newton, C. W., 19.1-192
Esterbrook, C. C., 19.2-71
Donaldson, R. J., Jr., et al., 19.5-199
Convergence currents
Kruzhkova, T. S., 19.8-728
Convergence line–precipitation relationships
Harrold, T. W. et al., 19.9-440
Convergence zones
Leopold, H., 19.7-734
Conversion schemes
Romanov, E. V., 19.9-124
Cooling power climatology
Kusakabe, M., 19.2-58
Flach, E. et al., 19.7-463
Cooling power data
Taylor-Ellis, E. C., 19.3-97
Cooling power variations
Flach, E. et al., 19.7-463
Cooling towers
Bearman, P. W., 19.5-255
Armitt, J., 19.11-382
Coordinate systems
Bourquin, L. B., 19.12-10
Copernicus
Sun, J. M. S., 19.8-652
Corn
Uchijima, Z. et al., 19.8-55
Corn cultivation
Al-Nedjim, M., 19.1-50
Konstantinov, A. R. et al., 19.3-726; 19.10-56
Goisa, N. I. et al., 19.10-284
Gagarina, T. E. et al., 19.10-362
Oleinik, R. N. et al., 19.11-85
Paduraru, A. et al., 19.11-86
Konstantinov, A. R. et al., 19.12-44
Corn sowing
Shevchenko, N. Ia., 19.2-55
Corn-weather relationships
Changnon, S. A., Jr. et al., 19.3-38
Corn yield
Helsabeck, H. C., 19.8-443
Corn yield forecasting
Chirkov, Iu. I., 19.4-160
Corn yield variations
Svirina, V. V., 19.9-512
Cornfield micrometeorology
Wright, J. L. et al., 19.3-42
Corona
Tandberg-Hanssen, E., 19.10-12
Corona currents
Rao, M., 19.5-387
Corona structure
Newkirk, G., Jr., 19.6-621
Nussbaumer, H., 19.9-709
Waldmeier, M., 19.9-710
Coronal brightness
Waldmeier, M., 19.9-710
Coronal composition
Falchi, A. et al., 19.1-508
Delache, P., 19.4-593
Muench, G., 19.5-606
Jordan, C. et al., 19.12-647
Coronal condensations
Broadfoot, A. L., 19.1-500
Coronal density
Newkirk, G., Jr., 19.6-621
Coronal electron density
Neupert, W. M., 19.4-595
Zirin, H., 19.6-622
Coronal electron temperature
Delache, P., 19.4-593
Neupert, W. M., 19.4-595
Coronal emission lines
Muench, G., 19.5-606
Zirin, H., 19.6-622
Coronal expansion
Parker, E. N., 19.8-601
Coronal flares
Dolginova, Iu. N. et al., 19.8-676
Coronal heating
Brandt, J. C., 19.1-499
Coronal ionization
Nikol'skii, G. M., 19.6-614
Coronal line intensities
Nussbaumer, H., 19.9-709
Coronal magnetic field
Newkirk, G., Jr., 19.6-621
Coronal models
Nussbaumer, H., 19.9-709
Coronal observation techniques
NCAR Quarterly, Boulder, Colo., Spring 1967, 19.1-503
Coronal observations during eclipses
Falchi, A. et al., 19.1-508
Waldmeier, M., 19.4-597
Eddy, J. A., 19.5-598
Hunt, H. C., 19.7-706
Waldmeier, M., 19.9-710, 718
Coronal temperatures
Ulmschneider, P. H., 19.4-596
Nikol'skii, G. M., 19.6-614
Newkirk, G., Jr., 19.6-621
Billings, D. E. et al., 19.8-683
Nussbaumer, H., 19.9-709
Hundhausen, A. J. et al., 19.11-590
Coronograph observations
Gnevyshev, M. N. et al., 19.1-459
Coronographs
Smith, H. J., 19.1-458
Gnevyshev, M. N. et al., 19.5-542
Corpuscular theories
Geokhlanian, T. Kh. et al., 19.10-308
Corpuscular theories of ionization
King, J. W. et al., 19.2-368
Corpuscular theories of magnetic storms
Nikol'skii, A. P., 19.7-609
Correlation coefficients
Trifonova, T. S., 19.4-271
Takeuchi, K., 19.10-347
Correlation function
Krylov, E. V. et al., 19.11-109
Correlation methods
Ohtaki, T., 19.5-315
Gudkovich, Z. M., 19.5-709
Lewis, F., 19.12-60
Correlation of turbulence elements
Holland, J. Z., 19.10-332
Takeuchi, K., 19.10-347
Correlation of weather parameters
Kutzbach, J. E., 19.2-322
Corrosion by sea water
Cordova, H. I. et al., 19.6-82
Corrosion of metals
Cordova, H. I. et al., 19.6-82
Cosmic background radiation
Conklin, E. K. et al., 19.7-644
Cosmic blackbody radiation
Felten, J. E., 19.7-299
Cosmic dust
Vasil'ev, V. A., 19.11-666
Cosmic dust effects
Berg, O. E. et al., 19.1-464
Cosmic dust falls
Grjebine, T. et al., 19.8-227
Cosmic dust in the stratosphere
Grjebine, T. et al., 19.4-187
Bhandari, N. et al., 19.7-221
Cosmic dust in upper atmosphere
Grjebine, T. et al., 19.8-227
Cosmic dust measurement techniques
Grjebine, T. et al., 19.4-187
Cosmic dust measurements
Berg, O. E. et al., 19.1-464
Greenman, N. N. et al., 19.1-465
Cosmic gamma radiation
Stecker, F. W., 19.10-670, 671
Cosmic influences on atmosphere
Delariu, E. M., 19.5-359

Cosmic influences on biological processes
Delariu, E. M., 19.5-359
Cosmic influences on climate
Van Genderen, A. M., 19.4-4
Cosmic influences on radio noise
Millman, G. H., 19.8-274
Cosmic magnetic fields
Ferraro, V. C. A., 19.4-531
Cosmic microwave radiation
Stewart, J. M. et al., 19.7-648
Shakeshaft, J. R. et al., 19.10-669
Cosmic microwave radiation intensity
Howell, T. F. et al., 19.7-646
Cosmic noise absorption in ionosphere
Roldugin, V. K., 19.1-399
Cosmic noise temperatures
Leinbach, H. et al., 19.9-593
Cosmic physics
Shakeshaft, J. R. et al., 19.10-669
Cosmic physics laboratories
Tennent, R. M., 19.7-579
Cosmic radiation
Getmantsev, G. G. et al., 19.10-657
Cosmic radiation hazard
Curtis, S. B. et al., 19.8-555
Cosmic radio emission theories
Rees, M. J., 19.7-651
Andrew, B. H., 19.11-622
Burbidge, G. R., 19.12-572, 575
Cosmic radio noise absorption
Driatskii, V. M., 19.1-396
Cosmic radio noise absorption in ionosphere
Intl. Radio Consultative Comm., 19.11-614
Cosmic radio noise intensities
Parthasarathy, R., 19.6-578
Kundu, M. R. et al., 19.11-624
Cosmic radio noise measurements
Intl. Radio Consultative Comm., 19.11-614
Yamashita, T. et al., 19.12-574
Cosmic radio noise variations
Drake, F. D., 19.10-665; 19.11-623
Burbidge, G. R., 19.12-575
Cosmic radio sources
Solheim, J. E., 19.5-551
Mackay, C. D., 19.7-650
Rees, M. J., 19.7-651
Drake, F. D., 19.11-623
Burbidge, G. R., 19.12-572
Yamashita, T. et al., 19.12-574
Burbidge, G. R., 19.12-575
Cosmic radio wave variations
Iakovlev, O. I. et al., 19.11-613
Cosmic ray altitude dependence
Takeuchi, H., 19.3-439
Cosmic ray anisotropy
Forbush, S. E., 19.2-425
Rao, U. R. et al., 19.2-439
Subramanian, G. et al., 19.3-442
Shishov, V. I., 19.3-538; 19.4-498
Nagashima, K. et al., 19.6-525
Shishov, V. I., 19.7-578
Jokipii, J. R. et al., 19.10-590
Cosmic ray asymmetry
Paulikas, G. A. et al., 19.4-495
Cosmic ray barometer coefficient
Wang, C. P. et al., 19.4-503
Chin, F. K. et al., 19.6-519
Cosmic ray bibliographies
Skobel'tsyn, D. V., 19.4-10
Cosmic ray calculations
Ray, E. C., 19.3-436
Cosmic ray charges
Buhler-Broglin, A. et al., 19.1-413
Webber, W. R. et al., 19.4-501
Cosmic ray composition
Appa Rao, M. V. K., 19.4-479
Gurzadian, G. A., 19.7-572
Cosmic ray conferences
Vsesoiuznoe Soveshchanie po Kosmofizicheskomu Napravleniiu Issledovanii Kosmicheskikh Luchei, 1st, Yakutsk, Aug./Sept. 1962, 19.1-15
Cosmic ray counters
Tennent, R. M., 19.7-579
Cosmic ray cutoff
Hakura, Y., 19.2-429
Solomon, A. I., 19.3-438
Paulikas, G. A. et al., 19.4-495
Gall, R. et al., 19.7-571
Cosmic ray cutoff rigidities
Dorman, L. I., 19.1-416
O'Gallagher, J. J., 19.4-493
McCracken, K. G. et al., 19.8-560
Wada, M., 19.11-559
Cosmic ray data
World Data Center A [for] Airglow, Ionosphere, Aurora, Cosmic Rays, Geomagnetism (and) Solar Activity, ESSA, Boulder, Colo., 19.2-82
Vrana, A. et al., 19.8-550
Boyd, J. S. et al., 19.10-586
Cosmic ray detectors
Krymskii, G. F. et al., 19.4-484
Cosmic ray diffusion
Nathan, K.V.S.K. et al., 19.4-491
O'Gallagher, J. J., 19.4-493
Parker, E. N., 19.4-494
Pomerantz, M. A., 19.4-496
Miroshnichenko, L. I., 19.7-576
Dolginov, A. Z. et al., 19.8-556
Cosmic ray diffusion coefficient
Miroshnichenko, L. I., 19.4-490
Cosmic ray distribution
Chirkov, N. P. et al., 19.2-422
Krymskii, G. F. et al., 19.4-484
Anderson, H. R., 19.8-551
Cosmic ray effects
Sazonov, B. I. et al., 19.1-233
Black, D. I., 19.5-480
Harrison, C. G. A., 19.5-481
Waddington, C. J., 19.5-484
Cosmic ray effects on atmospheric circulation
Sazonov, B. I., 19.1-181, 182
Cosmic ray effects on cosmic dust
Lal, D. et al., 19.7-574
Cosmic ray effects on ionosphere
Hakura, Y., 19.3-425
Nestorov, G. et al., 19.3-433
Velinov, P., 19.7-539; 19.11-544
Cosmic ray effects on meteorites
Tobailem, J. et al., 19.5-584
Price, P. B. et al., 19.8-562
Honda, M., 19.11-654
Shen, C. S. et al., 19.12-524
Cosmic ray effects on neutron production
Feige, Y. et al., 19.9-295
Cosmic ray electron energy spectrum
Fan, C. Y. et al., 19.7-567
Cosmic ray electrons
Miyazaki, Y., 19.3-431
Imhof, W. L., 19.12-551
Cosmic ray emission
Fegan, D. J. et al., 19.7-569
Kurnosova, L. V. et al., 19.9-626
Cosmic ray energy balance
Craig, R. et al., 19.11-553
Michel, F. C., 19.12-517
Cosmic ray energy distribution
McCracken, K. C. et al., 19.12-519
Cosmic ray energy flux
Jokipii, J. R. et al., 19.1-420
Parker, E. N., 19.4-494

Cosmic ray energy spectrum
Volodichev, N. N. et al., 19.1-423
Appa Rao, M. V. K., 19.4-479
Webber, W. R., 19.10-597
Imhof, W. L., 19.12-551
Cosmic ray energy transfer
Durgaprasad, N., 19.8-565
Cosmic ray equator
Dubinsky, J., et al., 19.2-423
Cosmic ray flux
Rao, U. R. et al., 19.2-438
Kurnosova, L. V. et al., 19.4-485
Neher, H. V. et al., 19.4-492
Cosmic ray–geomagnetic relationships
Dorman, L. I. et al., 19.1-416
Cosmic ray heavy nuclei
Gagarin, Iu. F. et al., 19.3-423
Volodichev, N. N. et al., 19.3-441
Jones, L. W. et al., 19.6-524
Cosmic ray increases
Kodama, M., 19.2-433
Lindgren, S. et al., 19.5-448
Yoshida, S. et al., 19.10-598
Anderson, H. R. et al., 19.11-551
Wada, M., 19.11-559
Cosmic ray instruments
Rylov, Iu. A., 19.1-412
Vavilov, Iu. N. et al., 19.4-500
Blokh, Ia. L. et al., 19.5-443
Carmichael, H., 19.8-552
Cosmic ray intensities
Takeuchi, H., 19.3-439
Teegarden, B. J., 19.3-444
Bowthorpe, M., 19.7-565
Oestman, B., 19.12-521
Cosmic ray intensities variations
Inoue, A. et al., 19.9-274
Cosmic ray intensity data
Vavilov, Iu. N. et al., 19.4-500
Cosmic ray intensity distribution
O'Gallagher, J. J., 19.4-493
Cosmic ray intensity increase
Dorman, L. I. et al, 19.3-443
Cosmic ray intensity measurement techniques
Vavilov, Iu. N. et al., 19.4-500
Cosmic ray intensity–solar activity relationships
Sandstroem, A. E. et al., 19.12-523
Cosmic ray intensity variations
Kane, R. P., 19.2-431; 19.3-426, 427
Vernov, S. N. et al., 19.3-440
Kuzhevskii, B. M. et al., 19.4-486
Pomerantz, M. A., 19.4-496
Quenby, J. J., 19.10-596
Sandstroem, A. E. et al., 19.12-523
Cosmic ray–interplanetary magnetic field relationships
Shishov, V. I., 19.4-498
McCracken, K. C. et al., 19.12-519
Cosmic ray investigations
Danilov, A. A., 19.3-536
Cosmic ray ionization
Garmire, G. et al., 19.8-558
Cosmic ray–magnetic relationships
Miroshnichenko, L. I., 19.4-489
Pankratov, A. K. et al., 19.5-450
Cosmic ray–magnetic storm relationships
Solomon, A. I., 19.3-438
Vladimirskii, B. M. et al., 19.6-527
Yoshida, S. et al., 19.10-598
Cosmic ray measurements
Bowthorpe, M., 19.7-565
Anderson, H. R., 19.8-551
McCoy, J. E. et al., 19.8-559
Heristchi, Dj., 19.10-589
Cosmic ray mesons
Carmichael, H. et al., 19.5-444
Oestman, B., 19.12-521
Cosmic ray modulation
Durgaprasad, N. et al., 19.1-410
Bertsch, D. L. et al., 19.2-421
Gleeson, L. J. et al., 19.2-427
Teegarden, B. J., 19.3-444
Nestorov, G., 19.4-477
Lockwood, J. A. et al., 19.4-488
O'Gallagher, J. J., 19.4-493
Annand, K. C. et al., 19.5-550
Cosmic ray motion
Shishov, V. I., 19.3-538
Cosmic ray muon charge ratio
Allkofer, O. C. et al., 19.4-478
Cosmic ray muon flux measurements
Mabboux, C. et al., 19.2-436
Mishra, N., 19.3-430
Cosmic ray muon intensities
Wang, C. P. et al., 19.4-503
Kangas, J. et al., 19.10-591
Kokkoniemi, J. et al., 19.10-592
Cosmic ray muon spectrum
Allkofer, O. C. et al., 19.4-478
Craig, R. et al., 19.11-553
Cosmic ray muons
Osborne, J. L. et al., 19.11-557
Cosmic ray neutrinos
Reines, F., 19.8-563
Gould, R. J. et al., 19.10-588
Cosmic ray neutron intensities
Kodama, M. et al., 19.2-432
Romanov, A. M., 19.7-577
Vrana, A. et al., 19.8-550
Stensland, B., 19.12-525
Cosmic ray neutron intensity monitors
Chirkov, N. P. et al., 19.2-422
Pearce, R. M. et al., 19.3-434
Keith, J. E. et al.,19.4-483
Cosmic ray neutron measurement techniques
Efimov, Iu. E. et al., 19.2-424
Cosmic ray neutron production
Kodama, M., 19.2-433
Cosmic ray neutron variations
Stensland, B., 19.12-525
Cosmic ray neutrons
Pearce, R. M. et al., 19.3-434
Forman, M. A., 19.4-481
Kaminer, N. S., 19.4-482
Keith, J. E. et al., 19.4-483
Martinelle, S., 19.12-520
Cosmic ray nuclei
Durgaprasad, N., 19.8-565
Cosmic ray nucleonic components
Keith, J. E. et al., 19.4-483
Cosmic ray nucleons
Grigorov, N. L. et al., 19.6-523
Cosmic ray particle charge
Buhler-Broglin, A. et al., 19.3-421
Cosmic ray particle interaction
Grigorov, N. L. et al., 19.1-411
Amineva, T. P. et al., 19.2-420
Gagarin, Iu. F. et al., 19.3-423
Stecker, F. W. et al., 19.6-526
Stecker, F. W., 19.10-670, 671
Cosmic ray particle motion
Parker, E. N., 19.4-494
Cosmic ray particles
Kurnosova, L. V. et al., 19.4-485
Jones, L. W. et al., 19.6-524
Cosmic ray periodicities
Dorman, L. I., 19.1-415
Cosmic ray photons
Miyazaki, Y., 19.3-431
Chin, F. K. et al., 19.6-519, 520
Gould, R. J. et al., 19.10-588
Cosmic ray physics
Dragnev, T. N. et al., 19.3-422
Wilson, J. G., 19.4-502
Iben, I., Jr. et al., 19.5-447
Cosmic ray physics conferences
Vsezoiuznoe Soveschanie po Fizika Kosmicheskikh Luchei, Moscow, Nov. 15-20, 1967, 19.1-10

- Cosmic ray primary particles
  - Grigorov, N. L. et al., 19.1-418
  - Price, P. B. et al., 19.8-562
- Cosmic ray produced carbon
  - Suess, H. E., 19.11-482
  - Damon, P. E., 19.12-429
- Cosmic ray produced radioactive isotopes
  - Teegarden, B. J., 19.1-165
  - McCorkell, R. et al., 19.4-725
- Cosmic ray production energy
  - Fujimoto, Y. et al., 19.10-587
- Cosmic ray production rate
  - Lal, D. et al., 19.10-593
- Cosmic ray propagation
  - McCracken, K. G. et al., 19.2-437
  - Rao, U. R. et al., 19.2-438, 439
  - Dolginov, A. Z. et al., 19.7-566
  - Durgaprasad, N., 19.8-565
- Cosmic ray properties
  - Parker, E. N., 19.8-561
- Cosmic ray proton flux
  - Durgaprasad, N. et al., 19.1-410
- Cosmic ray proton intensities
  - Teegarden, B. J., 19.1-422
- Cosmic ray radiation
  - Charkhch'ian, A. N. et al., 19.8-553
- Cosmic ray research
  - Kondo, I., 19.2-434
  - McCusker, C. B. A., 19.3-428
  - Skobel'tsyn, D. V., 19.4-10
  - Wilson, J. G., 19.4-502
  - Fujimoto, Y. et al., 19.10-587
  - Nishimura, J., 19.10-594
  - Reames, D. V., 19.11-558
- Cosmic ray research plans
  - Reines, F., 19.8-563
- Cosmic ray rigidity spectra
  - Bertsch, D. L. et al., 19.2-421
- Cosmic ray secondary particles
  - Azimov, S. A. et al., 19.3-420
  - Mishakova, A. P. et al., 19.3-429
- Cosmic ray shower detection
  - Tennent, R. M., 19.7-579
- Cosmic ray shower observation techniques
  - Colgate, S. A., 19.1-414
- Cosmic ray shower particles
  - Azimov, S. A. et al., 19.3-420
  - Mishakova, A. P. et al., 19.3-429
- Cosmic ray shower variations
  - Efimov, N. N., 19.1-417
- Cosmic ray showers
  - Nishimura, J., 19.10-594
  - Adcock, C. et al., 19.11-550
  - DeBeer, J. F. et al., 19.11-554
- Cosmic ray-solar activity relationships
  - Vladimirskii, B. M. et al., 19.6-527
- Cosmic ray–solar relationships
  - Mandel'shtam, S. L. et al., 19.11-632
- Cosmic ray sources
  - Fowler, P. H. et al., 19.7-570
- Cosmic ray spectrometers
  - Grigorov, N. L. et al., 19.1-88
- Cosmic ray spectrum
  - Fowler, P. H. et al., 19.7-570
  - Freier, P. S. et al., 19.12-518
  - Ormes, J. F. et al., 19.12-522
- Cosmic ray stations
  - Blokh, Ia. L. et al., 19.5-443
  - Carmichael, H., 19.8-552
- Cosmic ray storms
  - Lindgren, S. et al., 19.5-448
  - Ostman, B., 19.12-521
- Cosmic ray-sunspot relationships
  - Wada, M. et al., 19.5-451
- Cosmic ray surveys
  - Ginzburg, V. L., 19.7-30
- Cosmic ray time variations
  - Quenby, J. J., 19.10-596
- Cosmic ray trajectories
  - Lindgren, S., 19.4-487
  - Gall, R. et al., 19.7-571
  - McCracken, K. G. et al., 19.8-560
- Cosmic ray underground observations
  - Reines, F., 19.8-563
- Cosmic ray underground variations
  - Mabboux, C. et al., 19.2-436
  - Barton, J. C., 19.11-552
  - Craig, R. et al., 19.11-553
  - Osborne, J. L. et al., 19.11-557
- Cosmic ray variations
  - Dorman, L. I., 19.1-415
  - Fazzini, M. C. et al., 19.7-568
  - McCoy, J. E. et al., 19.8-559
- Cosmic rays
  - Handbuch der Physik, Vol. 46, Pt. 2, Kosmische Strahlung, Vol. 2, 19.7-17
- Cosmic research stations
  - McCusker, C. B. A., 19.3-428
- Cosmical gas dynamics symposia, 19.9-32
- Cosmochemistry
  - Tayler, R. J., 19.6-568
- Cosmogony
  - Schatzman, E., 19.7-642
  - Jastrow, R., 19.11-612
- Cosmology
  - Dingle, H., 19.5-539
  - Hunter, J. H., Jr., 19.6-567
  - Tayler, R. J., 19.6-568
  - Gamow, G., 19.6-569
  - Brecher, K. et al., 19.7-640
  - McIntosh, C. B. G., 19.9-663
- Cotton cultivation
  - Bilbro, J. D., Jr., 19.11-354
- Couette flow
  - Kuwabara, S., 19.10-240
  - Schultz-Grunow, F., 19.10-244
- Countercurrents
  - Ryzhkov, Iu. G., 19.2-567
- Cranberry cultivation
  - Norton, J. S., 19.4-157
- Crater origin
  - Hartmann, W. K., 19.12-586
- Crater temperatures
  - Staley, D. O., 19.8-654
- Crevasse formation
  - Gold, L. W., 19.11-758
  - Ambach, W., 19.12-778
- Crevasses
  - Bauer, A. et al., 19.5-721
- Crime–Santa Ana winds relationships
  - Miller, W. H., 19.9-452
- Critical points
  - Domb, C. 19.12-168
- Critical velocity hypothesis
  - Sherman, J. C., 19.9-664
- Crop ecology
  - Papadakis, J., 19.12-25
- Crop indexes
  - De Fina, A. L. et al., 19.2-5
- Crop losses
  - Rodewald, M., 19.1-199
- Crop microclimatology
  - King, K. M., 19.2-314
  - Stoenescu, S. M. et al., 19.7-458
  - Waggoner, P. E. et al., 19.9-540
- Crop micrometeorology
  - Davenport, D. C. et al., 19.10-470
- Crop soil water requirements
  - Al-Nedjim, M., 19.1-50
  - Konstantinov, A. R. et al., 19.3-726
  - Paduraru, A. et al., 19.11-86
- Crop water consumption
  - Turmanidze, T. I., 19.4-368
  - Hargreaves, G. H., 19.8-405
  - Robb, D. C. N., 19.8-412
  - Fried, M. et al., 19.9-814
  - Maruyama, E., 19.11-87
- Crop yield
  - Zheltaia, N. N., 19.4-45
- Crop yield forecasting
  - Meladze, G. G., 19.3-114
  - Ivanova-Zubkova, N. Z., 19.4-161
  - Protserov, A. V., 19.4-164
  - Sirotenko, O. D., 19.4-166
- Cross-correlation coefficients determination
  - Fedorova, A. M., 19.7-336

- **Cross-isobaric flow**
  - Estoque, M. A., 19.6-321
- **Cross-spectrum analysis techniques**
  - Almazan, J. A., 19.12-76
- **Cryopedology**
  - Turbin, L. I. et al., 19.5-738
- **Crystallization chambers**
  - Medaliev, Kh. Kh. et al., 19.7-380
- **Crystallization of supercooled clouds**
  - Jiusto, J. E., 19.11-438
- **Cumulonimbus**
  - Sly, W. K., 19.6-354
- **Cumulonimbus development**
  - Tik, C. et al., 19.3-283
- **Cumulonimbus mechanics**
  - Lacaze, J., 19.10-390
  - Freeman, J. C., Jr., 19.12-349
- **Cumulus cloud convection**
  - Kasahara, A. et al., 19.3-177
  - Matsumoto, S. et al., 19.3-185
  - Hardy, K. R., 19.3-250
  - Matsumoto, S. et al., 19.3-252
  - Haman, K., 19.5-297
  - Murray, F. W., 19.7-389
- **Cumulus cloud development**
  - Sloss, P. W., 19.2-281
  - List, R., 19.9-500
- **Cumulus cloud dynamics**
  - Srivastava, R. C., 19.6-387
- **Cumulus cloud evolution**
  - Amirov, A. D., 19.12-344
- **Cumulus cloud forecasting**
  - Sulakvelidze, G. K., 19.9-225
- **Cumulus cloud heights**
  - Holle, R. L., 19.7-390
- **Cumulus cloud mechanics**
  - Sloss, P. W., 19.2-281
  - Murray, F. W., 19.7-389
- **Cumulus cloud microstructure**
  - Morris, T. R. et al., 19.11-437
  - Mossop, S. C. et al., 19.12-338
- **Cumulus cloud models**
  - Auer, A. H., Jr., 19.5-294
- **Cumulus cloud seeding**
  - MacCready, P. B., Jr. et al., 19.5-161
  - Goyer, G. G., 19.11-237
  - McCarthy, J., 19.11-241
  - Simpson, J. (Starr) et al., 19.11-249
- **Cumulus cloud structure**
  - List, R., 19.9-500
- **Cumulus clouds over mountains**
  - Orville, H. D., 19.9-468
- **Cumulus convection**
  - Asai, T., 19.2-259
  - Kuo, H. L., 19.4-233
- **Cumulus models**
  - Simpson, J. (Starr) et al., 19.11-249
- **Cumulus updrafts**
  - Marwitz, J. D. et al., 19.9-466
- **Cup anemometers**
  - Hartley, G. E. W., 19.5-128
  - Huddar, B. B., 19.5-129
  - Wiggins, W. L., 19.6-148
- **Curie point determination**
  - Parry, L. G. et al., 19.5-464
- **Current meandering**
  - Ruddiman, W. F., 19.12-725
- **Current measurement techniques**
  - Hawes, J. D., 19.7-732
- **Current meters**
  - Hawes, J. D., 19.7-732
  - Elder, R. A. et al., 19.9-813
  - Avery, D. E., 19.12-680
- **Current variations**
  - Boisvert, W. E., 19.7-745
- **Currents in reservoirs**
  - Tsaitts, E. S. et al., 19.6-789
- **Curtis–Godson approximation**
  - Armstrong, B. H., 19.7-308
- **Cut–off cyclones**
  - Liao, S. Y. et al., 19.6-262
- **Cyclogenesis**
  - Montalto, M. et al., 19.1-189
  - Raethjen, P., 19.6-256
  - Krishnamurti, T. N., 19.9-328
- **Cyclogenesis analysis**
  - Martinov, M., 19.8-298
  - Mowla, K. G., 19.12-206
- **Cyclone "Anna" (1961)**
  - Van der Ham, C. J., 19.9-357
- **Cyclone analysis**
  - Desai, B. N., 19.4-225
  - Liao, S. Y. et al., 19.6-262
  - Ekanayake, L.A.D.I., 19.10-254
- **Cyclone characteristics**
  - Vida, M., 19.3-194
- **Cyclone cloud systems**
  - Rogers, C. W. et al., 19.2-171
  - Popova, T. P. et al., 19.5-120
  - Tsitovich, T. A., 19.5-295
  - Hlachova, P., 19.6-265
  - Tsuchiya, K. et al., 19.8-425
- **Cyclone damage reports**
  - Ekanayake, L.A.D.I., 19.10-254
- **Cyclone development**
  - Rogers, C. W. et al., 19.2-171
  - Taljaard, J. J., 19.3-192
  - Dohnal, K., 19.3-193
  - Danard, M. B., 19.8-168
  - Martinov, M., 19.8-298
- **Cyclone distribution**
  - Taljaard, J. J., 19.3-192
- **Cyclone dynamics**
  - Rogers, C. W. et al., 19.2-171
- **Cyclone energy**
  - Martinov, M., 19.8-298
- **Cyclone forecasting evaluation**
  - Tyner, R. V., 19.7-189
- **Cyclone formation**
  - Datta, R. K. et al., 19.4-224
  - Desai, B. N., 19.4-225
- **Cyclone frequencies**
  - Pogosian, Kh. P. et al., 19.3-190
  - Kryzhanovskaia, A. P., 19.11-326
- **Cyclone models**
  - Ludlam, F. H., 19.9-329
- **Cyclone movement**
  - Taljaard, J. J., 19.3-192
  - Seilkopf, H., 19.4-144
  - Desai, B. N., 19.4-225
  - Volokitina, L. A. et al., 19.5-201
- **Cyclone movement forecasting**
  - Datta, R. K. et al., 19.4-224
- **Cyclone structure**
  - Desai, B. N., 19.4-225
- **Cyclone studies**
  - Minina, L. S. et al., 19.8-299
- **Cyclone theories**
  - Dohnal, K., 19.3-193
- **Cyclone tracks**
  - Vida, M., 19.3-194
- **Cyclones, Arabian Sea**
  - Desai, B. N., 19.4-225
- **Cyclones, Bay of Bengal**
  - Janardhan, S., 19.6-270
- **Cyclonic and anticyclonic fields stability**
  - Prostiakov, S. M., 19.9-417
- **Cyclonic center-cloud vortex relationships**
  - Minina, L. S. et al., 19.8-299
- **Cyclonic circulation patterns**
  - Klein, W. H. et al., 19.8-289
- **Cyclonic rainfall**
  - Ratnam, V. et al., 19.7-399
- **Cyclonic storms**
  - Fujita, T. et al., 19.9-349
- **Cyclonic waves**
  - Krishnamurti, T. N., 19.9-328
- **Cyclonic weather types**
  - Vida, M., 19.5-202
- **Cyclonic winds**
  - Volokitina, L. A. et al., 19.5-201
- **Cyclotron radiation**
  - Kato, Y. et al., 19.8-583
- **"Cyprus 02" cruise, 1963**
  - Oren, O. H., 19.5-621

D

- **D layer**
  - Hunten, D. M. et al., 19.7-510
- **D layer formation**
  - Mechtly, E. A. et al., 19.7-524
- **D layer ionization**
  - Sechrist, C. F., Jr., 19.9-604
- **D region**
  - Mitra, A. P., 19.1-378
  - Webb, W. L. et al., 19.3-401
  - Johler, J. R., 19.6-489
  - King, J. W., 19.7-515
  - King, J. W. et al., 19.7-516

Bragin, Iu. A. et al., 19.10-517
Dieminger, W., 19.11-280
D region absorption
Nitzsche, P., 19.2-375
Hargreaves, J. K. et al., 19.10-631
Dieminger, W., 19.11-279
D region experiments
Hall, J. E., 19.10-530
Landmark, B., 19.11-541
DIVEAR, *see* **Diving Instrumentation Vehicle for Environmental and Acoustic Research (DIVEAR)**
Dst variations
Grafe, A., 19.7-482
Daily precipitation amounts
Peczely, G., 19.1-301
Daily variations
Kane, R. P., 19.3-426
Dam construction
Fahlbusch, F., 19.4-768
Wheeler, F., 19.7-811
Singh, K. P., 19.7-837
Kaessaris, N. S., 19.12-804
Dam control
Syamala Rao, B. C. et al., 19.12-806
Dam influences on water flow
Razvan, E., 19.7-807
El-Sabh, M. I., 19.11-735
Dam leakage location
Guizerix, J., 19.12-803
Makowski, J., 19.12-808
Damming effects on water courses
Herbertson, J. G. et al., 19.10-781
Damping
Iwagaki, Y. et al., 19.10-764
Jonsson, I. G., 19.10-765
Dams
Dowell, C. L. et al., 19.1-594
Dart leader
Uman, M. A. et al., 19.6-467
Data acquisition
U. S. Weather Bur., 19.11-5
Steadman, H. L., 19.11-72
Data analysis
Ariel', N. Z., 19.9-117
Data collection centers
Vsekhsviatskii, S. K. et al., 19.8-667
Data collection services
International Years of the Quiet Sun, 1964-1965, 19.9-211
Data control centers
Cudny, W., 19.6-43
Data processing
World Meteorological Organization, 19.1-44
Pruitt, W. O. et al., 19.5-345
Ross, D. I., 19.9-72
Berg, D. S. et al., 19.12-94
Data processing techniques
Wood, L. C., 19.9-73
Data processing with electronic computers
Suica, C., 19.1-61
Borisenkov, E. P. et al., 19.11-138
Sapozhnikova, S. A., 19.12-62
Data reduction systems
Duchon, C. E., 19.12-77
Data transmission
Langford, D. T. A., 19.4-127, 128
International Years of the Quiet Sun, 1964-1965, 19.9-211
Borisenkov, E. P. et al., 19.11-138
Data transmission systems
Houghten, R. L., 19.4-123
Olivieri, J. C., 19.4-132
Hogan, G. D. et al., 19.5-112
Cudny, W., 19.6-43
Holmes, D. W., 19.11-63
Patrichi, Fl. et al., 19.11-174
Davitai rain gage
Dolgushin, I. P., 19.4-111
Day length variations
Little, E. M., 19.6-298
Dayglow emission
Noxon, J. F., 19.2-211; 19.8-332
Dayglow emission bands
Evans, W. F. J. et al., 19.8-329
Nagata, T. et al., 19.8-330
Dayglow observation techniques
Noxon, J. F., 19.8-332
Dayglow theories
Noxon, J. F., 19.2-206
Daylight auroras
Lloyd, J. W. F. et al., 19.8-544
Daylight illumination
Skobareva, Z. A., 19.2-207
Godshall, F. A., 19.9-373
Dayside auroras
Gregori, G. P., 19.10-574
Decade Glacier
Oestrem, G. et al., 19.2-306
Deep ocean currents
Visser, G. A. et al., 19.6-677
Deep sea currents
Nowroozi, A. A. et al., 19.8-717
Deep sea measurement techniques
Burke, F. P., Jr. et al., 19.9-747
Deep sea photography
Hersey, J. B., 19.8-24
Dugan, J. et al., 19.8-31
Deep sea research
Pickwell, G. V., 19.8-718
Deep sea sediment cores
Horn, D. R. et al., 19.8-716
Deep sea sediments analysis
Glass, B., 19.4-583
Deep sea tides
Nowroozi, A. A. et al., 19.6-695
Munk, W. H. et al., 19.7-758
Deep sea vehicles
Marquet, W. M., 19.11-696
Deep sea wave measurement techniques
Greenfield, A. R. et al., 19.7-752
Deep water circulation
Reid, J. L., 19.4-650
Deep water reversing thermometers
Boehl, D., 19.11-708
Deep water turbulence meters
Kolesnikov, A. G. et al., 19.5-630
Deformation of frozen soil
Fukuo, Y. et al., 19.3-221
Degree days
Krasnianskaia, V. P., 19.8-349
Delta flooding
Baidin, S. S., 19.9-837
Delta hydrology
Baidin, S. S., 19.9-837
Dendroclimatology
Mitchell, V. L.,19.1-320
Haugen, R. K., 19.3-214
NCAR Quarterly, Boulder Colo., No. 19, Fall 1967, 19.5-341
Lekhatinov, A. M., 19.8-457
Julian, P. R. et al., 19.12-432
Density effects on sea level
Drennan, K. L., 19.6-638
Density scale height determination
Moe, K. et al., 19.9-253
Depolarization of electromagnetic waves
Fung, A. K., 19.1-479
Depth hoar formation
Akitaya, E., 19.12-381
Depth recording systems
Andersen, N. R. et al., 19.7-731
Desalinization
Hupfer, P., 19.2-553
Brian, P. L. T. et al., 19.4-636
Stearns-Rogers Manufacturing Co., Denver, Colo., 19.4-638
Weir, Westgarth, Ltd., London, 19.4-639
Fabuss, B. M. et al., 19.8-725
Fluor Corporation, Ltd., Los Angeles, Calif., 19.8-726
Latini, R. G. et al., 19.8-727
Christian, S. D. et al., 19.9-17
Shwartz, J. et al., 19.10-732
Desert classification
McGinnies, W. G. et al., 19.12-441

Desert climates
Doberitz, R., 19.9-10
Butzer, K. W. et al., 19.11-481
McGinnies, W. G. et al., 19.12-441
Desert floods
Beaty, C. B., 19.10-794
Desert geography
McGinnies, W. G. et al., 19.12-441
Desert hydrology
Simpson, E. S., 19.12-811
Desert rainfall
Vanney, J. R., 19.3-296
Desert regions
Murzaev, E. M., 19.6-13
Desert research
Schreiber, J. F., Jr., 19.11-503
Desert symposia
Amiran, D. H. K., 19.9-543
Desert vegetation
Gringof, I. G., 19.6-16
Deserts
Kuzhov, A. A., 19.5-348
Desiccation
Kuzkov, A. A., 19.5-348; 12.7-452
Design floods
Hiemstra, L. A. V. et al., 19.3-108
Shenoy, R. C. et al., 19.6-409
Singh, K. P., 19.7-837
Design rainfall
Majumdar, K. C. et al., 19.6-407
Design storms
Dhar, O. N. et al., 19.6-405
Raman, P. K. et al., 19.6-408
Deuterium content of ice determination
Merlivat, L. et al., 19.9-805
Lorius, C. et al., 19.12-434
Deuterium in atmosphere
Teegarden, B. J., 19.1-165
Deuterium in rainwater
Matsuo, S. et al., 19.5-301
Deuterium in solar system
Schatzman, E., 19.7-642
Deuterium nuclei in cosmic rays
Kuzhevskii, B. M., 19.2-435
Dew composition
Yaalon, D. H. et al., 19.8-420
Dew duration forecasting
Alderman, D. D. et al., 19.8-180
Dew formation
Krecmer, V., 19.8-408
Dew frequencies
Pelko, I., 19.4-326
Krecmer, V., 19.8-408
Dew instruments
Hungerford, K. E., 19.2-99
Dew point depression forecasting
Veigas, K. W., 19.12-314
Dew point gradient
Moses, H. et al., 19.7-365
Dew point hygrometers
Fateev, N. P., 19.8-127
Dew point lapse rates
Chisholm, D. A. et al., 19.12-317
Dew point measurement techniques
Weiss, B. D., 19.9-7
Dew point radiosondes
Mitchell, L. V., 19.2-69
Dew point temperatures
Moses, H. et al., 19.7-365
Dew point variations
Samoilov, A. I., 19.4-310
Dew point–water vapor relationships
Pearson, A. D. et al., 19.12-310
Diabatic heating
Das, P. K. et al., 19.7-276
Dielectric constants
Vezzetti, D. J. et al., 19.7-88
Dielectric properties of ice
Pearce, D. C. et al., 19.2-584
Gribbon, P. W. F., 19.4-724
Walford, M. E. R., 19.7-435
Fujino, K., 19.12-757
Dielectric properties of snow
Gribbon, P. W. F., 19.4-724
Walford, M. E. R., 19.7-435
Differential equations
Bahar, E., 19.6-86
Diffraction
Rulf, B., 19.6-561
Diffuse radiation
Sumner, C. J., 19.3-86
Diffusion formulas
Iordanov, D. L., 19.1-177
Iordanov, D., 19.7-272
Hino, M. et al., 19.10-330
Diffusion in ice crystals
Ramseier, R. O., 19.4-727
Diffusion in surface layer
Iordanov, D. L., 19.1-177
Iordanov, D., 19.7-272
Diffusion in thermosphere
Nicolet, M., 19.12-155
Diffusion in upper atmosphere
Blamont, J. E. et al., 19.2-341
Baxter, R. G. et al., 19.12-465
Diffusion models
Munn, R. E., 19.4-291
Stewart, R. E., 19.9-265
Diffusion of stack effluents
Hino, M. et al., 19.10-330
Diffusion research
Johnson, O. et al., 19.1-139
Lilly, D. K. et al., 19.4-278
Diffusion studies
Munn, R. E. et al., 19.4-290, 291
Mokady, R. S. et al., 19.6-329
Diffusiophoresis
Davies, C. N., 19.5-17
Digifax systems
Cressman, G. P., 19.9-209
Digital computer applications to hydrology
Desikan, V., 19.3-719
Digital computer uses in fluid dynamics
Harlow, F. H. et al., 19.12-273
Digital computer uses in oceanography
Wellman, F., 19.6-101
Digital computers
Khokhlov, A. V., 19.6-738
Pelissier, J. M., 19.9-653
Digital data processing methods
Grubb, R. N., 19.10-528
Steadman, H. L., 19.11-72
Digital hyperbolic chip generators
Epstein, M. et al., 19.7-725
Digitizing–recording systems
Graffe, V., 19.7-717
Dimensional analysis
Calder, K. L., 19.2-157
Dipole antennas
Bannister, P. R., 19.8-74
Dipole fields
Schlak, G. A. et al., 19.4-51
Liakhov, B. M., 19.5-471
Dipole impedance
Blair, W. E., 19.7-495
Dipole magnetic field
Kropachev, E. P. et al., 19.5-470
Liakhov, B. M., 19.5-482
Dipole radiation
Biggs, A. W., 19.12-49
Biggs, A. W. et al., 19.12-468
Direct and diffuse radiation
Khelkhovski, V., 19.3-204
Quinn, W. H. et al., 19.5-214
Direct insolation on a slope
Ohmura, A., 19.10-85
Direct–Readout–Infrared-Radiation data analysis
Pilipowskyi, S., 19.8-105
Direct solar radiation
Shul'gin, I. A., 19.6-292
Roller, W. L. et al., 19.8-325
Direct solar radiation distribution
Ohmura, A., 19.10-85
Directional hemispherical reflectance measurements
Kneissl, G. J. et al., 19.12-98
Discharge velocity distribution
Butorin, N. V. et al., 19.6-776
Discharge wave propagation calculation
Rusinov, M. I., 19.7-96
Discomfort index
Vekiteshwaran, S. P. et al., 19.4-258

Disintegration of drops
Azad, A. K. et al., 19.2-331
Disperse systems
Perel'man, A. Ia., 19.9-382
Dispersion effects
Owens, J. C., 19.10-488
Dispersion theories
Tomkoria, B. N. et al., 19.4-206
Dissociative recombination
Weill, G., 19.4-475
Dissolved gases in sea water
Craig, H. et al., 19.5-652
Dissolved oxygen concentration
Potash, M. et al., 19.4-745
Dissolved oxygen in sea water
Miyake, Y. et al., 19.1-547
Gilbert, W. E. et al., 19.11-721
Murray, C. N. et al., 19.12-706
Dissolved oxygen measurement techniques
Murray, C. N. et al., 19.12-706
Distance measurement techniques
Thompson, M. C., Jr., 19.4-52
Mitter, J., 19.4-380
Botez, M. P. et al., 19.9-384
Saastamoinen, J., 19.10-220
Owens, J. C., 19.10-488
Disturbed day magnetic variations
Bazarzhapov, A. D. et al., 19.3-465
Diurnal amplitude of air temperature
Dight, F. H., 19.5-226
Diurnal atmospheric electricity variations
Anderson, R. V., 19.5-375
Diurnal cloud variations
Haensch, W. et al., 19.1-294
Gavrilova, L. D. et al., 19.4-333
Diurnal cloudiness variations
Kravtsova, L. M. et al., 19.7-393
Diurnal cooling power variations
Flach, E. et al., 19.7-463
Diurnal cosmic ray intensity variations
Parker, E. N., 19.4-494
Diurnal cosmic ray variations
Mori, S., 19.3-432
Paulikas, G. A. et al., 19.4-495
Dorman, L. I. et al., 19.5-446
Lindgren, S. et al., 19.5-448
Pankratov, A. K. et al., 19.5-450
Wada, M. et al., 19.5-451
Vladimirskii, B. M. et al., 19.6-527
Diurnal E layer variations
Samardzhiev, D. T. et al., 19.1-385
Diurnal evaporation variations
Davenport, D. C., 19.2-265
Diurnal foF2 variations
Sato, T., 19.4-445
Diurnal geomagnetic ranges
Onwumechilli, C. A. et al., 19.3-463
Diurnal geomagnetic variations
Malin, S. R. C., 19.1-433
Miliaev, N. A., 19.3-449
Mayaud, P. N., 19.3-461
Malin, S. R. C., 19.3-462
Riddihough, R. P., 19.3-464
Bazarzhapov, A. D. et al., 19.3-465
Troshichev, O. A., 19.3-466
Malin, S. R. C. et al., 19.11-569
Diurnal glacial runoff variations
Lang, H., 19.5-336
Diurnal humidity variations
Gushchina, L. A., 19.1-228
Davydova, O. A. et al., 19.4-261
Boryczka, J., 19.5-279
Diurnal ionospheric density variations
Legg, A. J. et al., 19.4-432
Diurnal ionospheric electron density variations
Kazachevskaia, T. V. et al., 19.1-374
King, J. W. et al., 19.2-365
Brown, G. M. et al., 19.4-409
Diurnal ionospheric variations
Brown, G. M. et al., 19.4-410
King, J. W. et al., 19.7-518
Carru, H. et al., 19.10-520
Diurnal magnetic variations
Iaremenko, L. N., 19.9-630
Diurnal noctilucent cloud frequencies
Schroeder, W., 19.9-561
Diurnal precipitation variations
Khristov, P. Iv., 19.10-420
Diurnal rainfall distribution
Elliott, A., 19.7-413
Diurnal rainfall variations
Lessmann, H., 19.8-438
Diurnal sea temperature variations
Hinzpeter, H., 19.1-569
Pivovarov, A. A., 19.9-392
Diurnal stratospheric temperature variations
Beyers, N. J. et al., 19.4-268; 19.5-235
Diurnal stratospheric wind variations
Beyers, N. J. et al., 19.4-268; 19.5-235
Diurnal temperature variations
Gushchina, L. A., 19.1-228
Bluskova, D. et al., 19.2-223
Davydova, O. A. et al., 19.4-261
Dight, F. H., 19.5-226
Voskanian, A. G. et al., 19.5-227
Gille, J. C., 19.8-249
Pivovarov, A. A., 19.9-392
Maliutina, A. A., 19.11-364
Diurnal upper air density variations
Smith, D. E. et al., 19.5-164
Jacchia, L. G. et al., 19.8-219
King-Hele, D. G. et al., 19.8-220
Keating, G. M. et al., 19.8-252
Jacchia, L. G. et al., 19.9-251
Diurnal upper air wind variations
Reshetova, O. V., 19.5-267
Diurnal variations
Garnier, M., 19.5-339
Sladek, I., 19.7-470
Diurnal wind variations
Holton, J. R., 19.6-333
Krishna, K., 19.9-443
MacHattie, L. B., 19.9-446
Divergence
Lateef, M. A., 19.3-167
Divergence calculations
Gordon, A. H., 19.6-238
Divergence computations
Cohen, S. H. et al., 19.9-216
Diving Instrumentation Vehicle for Environmental and Acoustic Research (DIVEAR)
Snyder, R. F., 19.2-533
Dobrovol'skii, Aleksei Dmitrievich
Mamaev, O. I., 19.4-24
Dobson spectrometer
Vigroux, E., 19.4-198
Dobson spectrophotometer
Hamilton, R. A. et al., 19.4-66
Domestic animals
Bianca, W., 19.6-80
Doppler displacement of satellite signals
Ross, W. J. et al., 19.6-500
Doppler frequency shift
Birkemeier, W. P. et al., 19.8-383
Agy, V., 19.9-570
Grubb, R. N., 19.10-529
Kimura, I. et al., 19.11-282
Doppler frequency variations
Jean, A. G., 19.9-589
Doppler ionospheric observations
Duffus, H. J. et al., 19.8-504
Doppler radar
Esterbrook, C. C., 19.2-71
Armijo, L., 19.4-76
Battan, L. J. et al., 19.5-270
Foote, G. B., 19.12-355

Doppler radar wind measurement
Donaldson, R. J., Jr., 19.10-277
Doppler shift of satellite signals
Willman, J. F. et al., 19.4-568
Narayana Rao, N. et al., 19.7-525
Weiffenbach, G. C., 19.10-130
Tucker, A. J. et al., 19.12-56
Doppler technique
Newton, R. R., 19.5-536
Phinney, R. A. et al., 19.7-253
Kimura, I. et al., 19.8-514
Dosimeters
Tanaka, E., 19.8-119
Double diffraction
Ushiki, H. et al., 19.12-334
Double theodolite system
Kubinski, S. F., 19.3-54
Drag anemometers
Kung, R. J. et al., 19.7-147
Drag in forests
Hsi, G. et al., 19.10-354
Drag in snow
Miyairi, M. et al., 19.6-412
Drag of sea floes
Suzuki, Y., 19.11-752
Drainage basins
Swart, J. S. et al., 19.3-700
Dacey, M. F., 19.12-814
Drainage design
Van Sickle, D. R., 19.8-304
Drift bottle experiments
Monahan, E. C., 19.10-385
Drift current calculations
James, R. W., 19.5-259
Drift currents
Tripp, R. T., 19.5-21
Krivelevich, L. M., 19.8-731
Drift ice
Vibe, C., 19.7-71
Drift ice station NP-7
Kazakova, N. A. et al., 19.11-421
Drift ice station NP-8
Miliaev, N. A., 19.2-452
Gudkovich, Z. M., 19.4-700
Galkin, R. M., 19.5-466
Blinov, N. I. et al., 19.5-708
Drift ice station NP-12
Beliakov, L. N., 19.4-699
Drifting Station Bravo (T-3)
Larsson, P., 19.1-27
Driving rain index
Narayanan, S., 19.4-339
Driving rain maps
Narayanan, S., 19.4-339
Drop disintegration experiments
Azad, A. K. et al., 19.2-331
Drop formation
Abraham, F. F., 19.2-270
Levin, L. M. et al., 19.5-287
Scheele, G. F. et al., 19.8-418
Bayens, C. A., 19.12-324
Drop-freezing experiments
Vali, Gabor, 19.11-442
Drop freezing processes
Koenig, L. R., 19.9-498
Drop growth
Aleksandrov, E. L. et al., 19.1-287; 19.5-284
Ermoshina, L. I. et al., 19.5-286
Cheh, H. Y. et al., 19.6-366
Makuashev, M. K., 19.9-477
Drop impingement
Hobbs, P. V. et al., 19.3-274
Harlow, F. H. et al., 19.7-378
Jenkins, D. C., 19.8-415
Drop motion photography
Jenkins, D. C., 19.8-415
Drop properties
Fendall, F. E. et al., 19.3-273
Valentas, K. J. et al., 19.6-377
Drop shattering
Harlow, F. H. et al., 19.7-378
Drop size
Scheele, G. F. et al., 19.8-418
Drop size distribution
Valentas, K. J. et al., 19.6-377
Bayens, C. A., 19.12-324
Drop size distribution in clouds
Twomey, S. et al., 19.8-419
Nevzorov, A. N., 19.12-348
Drop size distribution in fog
Twomey, S. et al., 19.8-419
Drop size distribution instruments
Cornford, S. G., 19.5-131
Drop size distribution measurement techniques
Gerber, H. E., 19.7-153
Iuskeselieva, L. et al., 19.11-432
Droplet crystallization
Roulleau, M. et al., 19.4-389
Droplet distribution
Scott, W. T., 19.2-276
Droplet nuclei
Davies, C. N., 19.5-17
Droplet research
Hoffer, T. E. et al., 19.8-414
Droplet spectra
Scott, W. T., 19.2-276
Dropsondes
Hardin, V. S., 19.7-104
Bushnell, R. H. et al., 19.12-212
Drought
Hofmann, W. et al., 19.12-372
Drought analysis
Yevjevich, V., 19.3-297
Namias, J., 19.10-423
Spar, J., 19.12-373
Drought calculations
Konstantinov, A. R. et al., 19.11-457
Drought characteristics
Dickerson, W. H. et al., 19.8-442
Magnuson, M. D., 19.8-444, 445
Drought classification
Dickerson, W. H. et al., 19.8-442
Yevjevich, V., 19.11-451
Drought climatology
Calvesbert, R. J., 19.12-371
Drought conferences
Conf. on Drought in the Northeastern U. S., Sterling Forest, N. Y., May 15-17, 1967, 19.11-33
Drought control
Raney, W. A., 19.7-420
Drought effects
Berliand, T. G. et al., 19.10-281
Drought effects on crop yield
Razumova, L. A. et al., 19.4-44
Drought effects on soil water reserves
Barksdale, H. C., 19.12-370
Drought effects on water supply
Barger, G. L., 19.11-455
Clark, R. D., 19.11-456
Barksdale, H. C., 19.12-370
Drought flow characteristics
Whipple, W., Jr., 19.2-292
Drought forecasting
Yevjevich, V., 19.3-297
Drought frequency analysis
Whipple, W., Jr., 19.2-292
Drought index
Yevjevich, V., 19.3-297
Drought index calculation
Magnuson, M. D., 19.8-445
Drought index-corn yield relationships
Svirina, V. V., 19.9-512
Drought indexes
Dickerson, W. H. et al., 19.8-442
Helsabeck, H. C., 19.8-443
Magnuson, M. D., 19.8-444
Drought probabilities
Kozminski, C., 19.11-450
Drought severity calculations
Calvesbert, R. J., 19.12-371
Drought statistics
Dunn, R. S., 19.10-422
Spar, J., 19.12-373
Droughts, Australia
Gibbs, W. J. et al., 19.1-305
Droughts, Northeastern (New England) States, U. S.
Conf. on Drought in the Northeastern U. S., Sterling Forest, N. Y., May 15-17, 1967, 19.11-33

Droughts, Texas
  Dunn, R. S., 19.10-422
Dry and wet spells
  Feyerherm, A. M. et al., 19.2-290
Dst variations *see* Dst as acronym
Dunlap Observatory, Toronto, Canada
  Heard, J. F. et al., 19.5-541
Dust cloud around the Earth
  Divari, N. B. et al., 19.1-138
  Konstantinov, B. P. et al., 19.1-142
  Nilsson, C. S. et al., 19.1-147
  Arend, S., 19.6-197
  Peale, S. J., 19.8-235
Dust content of air
  Kelenffy, S. et al., 19.1-141
  Manolov, L. et al., 19.1-143
  Matsushima, S., 19.9-264
Dust content of polar ice
  El Goresy, A., 19.6-725
Dust content of rain
  Manolov, L. et al., 19.1-143
Dust content of upper atmosphere
  Divari, N. B., 19.1-137
  Rosen, J., 19.6-217
Dust conveying devices
  Gericke, H., 19.7-80
Dust deposition
  Stewart, R. E. et al., 19.1-150
  Stewart, R. E., 19.9-265
  Brown, M. J. et al., 19.11-262
Dust dryers
  Stockburger, D., 19.6-85
Dust drying methods
  Baunack, F., 19.7-78
Dust effects on plants
  Darley, E. F. et al., 19.5-168
Dust effects on visibility
  Fett, W., 19.11-264
Dust explosions during drying
  Zehr, J., 19.6-223
Dust fall analysis
  Hoidale, G. B. et al., 19.2-4
  Windom, H. et al., 19.6-222
Dust fall measurement techniques
  Kampf, W. D. et al., 19.10-151
Dust falls
  Mrose, H. et al., 19.11-268
Dust in atmosphere
  Davitaia, F. F., 19.5-169
Dust in Venutian atmosphere
  Hansen, J. E. et al., 19.5-564
Dust instruments
  Oedelycke, P., 19.7-160
Dust measurement techniques
  Lucas, D. H. et al., 19.5-136
  Dietze, G. et al., 19.11-263
  Proctor, T. D., 19.11-270
Dust measuring equipment
  Lucas, D. H. et al., 19.5-136
  Macey, H. H., 19.5-137
  Oedelycke, P., 19.7-160
Dust mixing
  Engels, K., 19.7-79
Dust–ozone correlations
  Rosen, J., 19.6-217
Dust particle motion
  Shapiro, I. I. et al., 19.1-148
Dust precipitators
  Coe, E. L., Jr. et al., 19.2-136
Dust prevention
  Helwig, N., 19.6-205
  Zehr, J., 19.6-223
  Schmidt-Holthausen, H. J., 19.7-81
  Drees, W., 19.7-222
Dust storage
  Schmidt-Holthausen, H. J., 19.7-81
Dust storms
  Uteshev, A. S. et al., 19.10-372
Dust vertical distribution
  Matsushima, S., 19.9-264
Dwarf stars
  Boehm, E., 19.5-608
  Kandel, R., 19.11-685
Dye tracer technique
  Kolp, O. et al., 19.1-11
Dynamic climatology
  Hare, F. K., 19.6-250
  Nosek, M., 19.6-454
  Nekovar, F., 19.7-471
  Tsuchiya, I., 19.9-547
Dynamic forecasting techniques
  Lorenz, E. N., 19.7-175
Dynamic meteorology
  Internatl. Symp. on Dynamics of Large-Scale Processes in the Atmos., 2nd, Moscow, June 1965, 19.1-14
  Panofsky, H. A., 19.2-155
  Kolsky, H. G., 19.7-40
  Miyakoda, K. et al., 19.12-111
Dynamic meteorology survey
  Khromov, S. P., 19.8-47
Dynamic meteorology textbooks
  Laikhtman, D. L. et al., 19.5-1
Dynamic meteorology workbooks
  Panofsky, H. A., 19.7-26
Dynamic oceanography
  Sarkisian, A. S., 19.1-556
  Crepon, M., 19.4-652
  Harrison, W. et al., 19.9-780
Dynamic stability
  Diduk, G. A., 19.11-292
Dynamic topography maps
  Cheredilov, B. F., 19.10-724
Dynamic weather forecasting
  Miyakoda, K. et al., 19.12-111
Dynamic wind loads
  Orendi, K., 19.12-297
Dynamics of auroras
  Krasovskii, V. I., 19.7-544
Dynamics of fronts
  Williams, R. T., 19.2-183
Dynamics of severe storms
  Weinstein, A. I. et al., 19.10-266
Dynamics of stratosphere
  Byron-Scott, R., 19.5-195
  Bowman, W. A., 19.8-10
Dynamics of stratospheric circulation
  Wallace, J. M. et al., 19.7-281
Dynamics of the atmosphere
  Iudin, M. I., 19.10-160
  Rokotian, V. E., 19.11-305
  Durney, B., 19.12-182
Dynamics of thermosphere
  Lagos, C. P., 19.9-280
  Dickinson, R. E. et al., 19.12-474
Dynamics of upper atmosphere
  Priester, W. et al., 19.1-94
  Repnev, A. I., 19.1-157
  Hines, C. O., 19.4-189
  Kondrat'ev, K. Ia. et al., 19.6-227
Dynamo action
  Gibson, R. D. et al., 19.3-452
  Lowes, F. J. et al., 19.3-453
Dynamo theory of magnetic field
  Gibson, R. D. et al., 19.3-452
  Lowes, F. J. et al., 19.3-453
  Braginskii, S. I., 19.5-474

E

E layer critical frequences
  Serafimov, K. D. et al., 19.1-386
E layer drift
  Karnaushenko, N. N., 19.3-387
  Kesava Rao, P. S. et al., 19.4-428
  Harnischmacher, E., 19.11-538
E layer ionization
  Bomke, H. A. et al., 19.4-407
  Narcisi, R. S., 19.9-598
  Carrara, N. et al., 19.10-482
E layer recombination
  Yonezawa, T., 19.7-540
E layer recombination coefficient
  Bomke, H. A. et al., 19.4-407
E layer structure
  Ovezgel'dyev, O. et al., 19.7-526
E region
  Smith, L. G. et al., 19.8-531
  Swider, W., Jr. et al., 19.8-533
  Walker, J. C. G., 19.9-609

E region currents
 Dunford, E., 19.4-415
E region drift variations
 Balsley, B. B., 19.7-351
E2 layer
 Kasymova, A. G., 19.3-388
 Kasymova, A. G. et al., 19.5-409
 Serafimov, K. et al., 19.5-420
ELF emission observation techniques
 Ogawa, T. et al., 19.2-477
ELF emission research
 Gendrin, R., 19.4-550
ELF emissions
 Gendrin, R., 19.1-373
 Al'pert, Ia. L., 19.1-451
 Ogawa, T., 19.1-454
 Ogawa, T. et al., 19.2-476, 477
 Gendrin, R., 19.4-549
ELF measurements
 Ogawa, T. et al., 19.3-533
ELF noise spectrum
 Rao, M., 19.5-387
ELF radio wave–geomagnetic micropulsation relationships
 Gendrin, R., 19.6-549
ELF sferics
 Hughes, H. G., 19.2-475; 19.4-553; 19.8-492
 Ishikawa, H. et al., 19.11-521
Es layer
 Starovatov, A. A., 19.7-535
Es layer formation
 Pozigun, V. L. et al., 19.7-529
Es layer stratification
 Ovezgel'dyev, O. et al., 19.7-527
ESRO, *see* **European Space Research Organization**
ESSA, *see* **Environmental Science Services Administration**
Earth as a planet
 Jastrow, R., 19.5-561
Earth current–geomagnetic relationships
 Mikerina, N. V., 19.3-468
Earth current measurements
 Price, A. T., 19.10-605
Earth–ionosphere cavity
 Large, D. V. et al., 19.12-495
Earth–ionosphere cavity resonances
 Gendrin, R., 19.1-373
 Large, D. B., 19.1-375
 Ogawa, T. et al., 19.2-476
 Large, D. B. et al., 19.3-393
 Nelson, P. H., 19.7-7
 Fournier, H., 19.9-578
Earth–ionosphere waveguide
 Kaufmann, P. et al., 19.2-363
 Bahar, E., 19.7-494
 Burgess, B., 19.10-518
 Crombie, D. D., 19.10-522
 Wait, J. R., 19.10-560
 Wait, J. R. et al., 19.12-512
Earth science abstracts
 U. S. Joint Publ. Res. Serv., 19.10-46
Earth science research
 Canadian Geophysical Bulletin, Ottawa, Dec. 1966, 19.2-36
Earth shine
 Franklin, F. A., 19.1-207
 Kovachev, B. Zh., 19.1-478
Earth tide yearbooks
 Belgium. Inst. Royal Met., 19.8-30
Earth tides
 Kozai, Y., 19.5-534
 Balakrishna, S. et al., 19.5-699
Earthquake, Alaska (Mar. 27, 1964)
 Field, W. O., 19.5-327
Earthquake effects on avalanches
 Field, W. O., 19.5-327
Earthquake effects on glacier movement
 Bull, C. et al., 19.11-773
Earthquake prediction
 White, R. M., 19.1-33
Earthquakes
 Hirshberg, J. et al., 19.8-575
Earth's atmosphere
 Fellows, R. F., 19.1-131
 Rasool, S. I., 19.2-129
Earth's bow shock wave
 Greenstadt, E. W. et al., 19.4-542
 Binsack, J. H. et al., 19.6-545
 Tidman, D. A. et al., 19.7-627
 Spreiter, J. R. et al., 19.8-602
Earth's core motions
 Malkus, W. V. R., 19.11-564
Earth's crust effects on geomagnetism
 Grenet, G., 19.9-637
Earth's crust formation
 Oxburgh, E. R., 19.8-567
Earth's crust structure
 Perret, W. R., 19.10-602
Earth's dipole moment
 Libby, W. F., 19.3-456
Earth's dust belt
 Shapiro, I. I. et al., 19.1-148
Earth's electromagnetic field
 Bannister, P. R., 19.8-579
Earth's environment
 Rossi, B., 19.1-438
Earth's flattening effects on geomagnetic field
 Tiurmina, L. O. et al., 19.7-583
Earth's geomagnetic field
 Froelich, F., 19.10-606
Earth's gravitational field
 Cook, A. H., 19.11-598
 Kaula, W. M., 19.11-599
Earth's gravitational potential
 King-Hele, D. G. et al., 19.11-600
Earth's magnetic field
 As, J. A., 19.4-508
 Liakhov, B. M., 19.5-471
 Braginskii, S. I., 19.7-589
Earth's magnetic tail
 Dolginov, Sh. Sh. et al., 19.1-86
 Dungey, J. W., 19.1-430
 Iazarus, A. J. et al., 19.7-613
 Behannon, K. W., 19.8-566
Earth's mantle
 Nato Advanced Study Inst., Newcastle upon Tyne, Mar. 30-Apr. 7, 1966, 19.12-18
Earth's mantle structure
 Caner, B. et al., 19.5-509
 Johnson, L. R., 19.10-601
Earth's physics
 Takeuchi, H. et al., 19.11-26
Earth's pole movement
 Karklin, V. P., 19.11-610
Earth's potential gradient
 Arnold, K., 19.11-597
Earth's radiance measurement techniques
 Kronke, R. H. et al., 19.8-339
Earth's rotation effects
 Mamaev, O. I., 19.2-566
Earth's rotation effects on atmospheric circulation
 Maksimov, I. V., 19.4-221
 Burstyn, H. L., 19.6-253
Earth's rotation effects on lake currents
 Verber, J. L., 19.3-689
Earth's rotation effects on oceanic circulation
 Burstyn, H. L., 19.6-253
Earth's rotation rates
 Schwerdtfeger, W., 19.4-219
Earth's rotation variations
 Newton, R. R., 19.7-138
Earth's sphericity effects on oceanic circulation
 Takano, K., 19.5-661
Earth's surface
 Hartmann, W. K., 19.12-586
East Australian Current
 Reed, R. K., 19.11-732
East European scientific abstracts
 U. S. Joint Publ. Res. Serv., 19.10-46
Easterly jet stream
 Joseph, P. V., 19.4-307
Easterly waves, Gulf of Mexico
 Jauregui, O. E., 19.9-789
"Eastward" cruises
 Ichiye, T., 19.2-527
Echo sounders
 Spinning, J. N. et al., 19.7-729

- Echo sounding
  - Aratskaia, V. V., 19.2-546
- Echo sounding corrections
  - Belshe, J. C., 19.9-764
- Echo sounding techniques
  - Weston, D. E., 19.7-730
- Eclipse effects on geomagnetism
  - Bomke, H. A. et al., 19.4-407
- Eclipse effects on ionosphere
  - Keneshea, T. J. et al., 19.3-390
  - King, J. W. et al., 19.3-391
  - Bomke, H. A. et al., 19.4-407
  - Bousquet, C. et al., 19.4-408
  - Bourdila, A. M., 19.8-499
- Eclipse effects on ionospheric absorption
  - Ohle, K. H. et al., 19.4-437
- Eclipse effects on ozone
  - Randhawa, J. S., 19.7-247
  - Rodionov, S. F., 19.11-511
- Eclipse effects on radio wave propagation
  - Kaufmann, P. et al., 19.7-707
- Eclipse expeditions
  - Waldmeier, M., 19.9-718
- Eclipse observations
  - Waldmeier, M., 19.6-632
- Ecoclimatology
  - Sargent, F. II, 19.1-128
  - Frost, D. B., 19.8-461
- Ecological aspects of weather modification
  - Sargent, F., II, 19.11-217
- Ecological climatography
  - Gilbert, D. E. et al., 19.10-476
- Ecological studies
  - Whittaker, R. H., 19.7-198
- Economic aspects of weather modification
  - Crutchfield, J. A., 19.11-212
- Eddies
  - Volkovitskaia, Z. I. et al., 19.4-281
  - Kirwan, A. D., Jr., 19.10-246
- Eddington–Lemaitre model of universe
  - Roeder, R. C. et al., 19.7-301
- Eddy diffusion
  - Lilly, D. K., 19.7-170
- Eddy diffusion coefficients
  - Gudiksen, P. H. et al., 19.12-199
- Eddy diffusion determination
  - Hanratty, T. J., 19.10-234
- Eddy diffusivity
  - Pasquill, F., 19.1-252
- Eddy energy budget
  - Lenschow, D. H. et al., 19.3-68
- Eddy energy of atmospheric circulation
  - Holland, J. Z., 19.10-332
- Eddy flux
  - Lumley, J. L., 19.6-247
  - Sternberg, J., 19.10-345
- Eddy flux measurement techniques
  - Hoegstroem, U., 19.6-159
- Eddy formation in lakes
  - Csanady, G. T., 19.6-749
- Eddy heat flux
  - Berggren, R. et al., 19.5-244
- Eddy mixing effects on mean meridional motions
  - Gudiksen, P. H. et al., 19.12-199
- Eddy structure of temperature
  - Smith, E. L., 19.9-311
- Eddy transfer
  - Lettau, H. H., 19.10-247
- Eddy velocities
  - Pries, T. H. et al., 19.1-227
- Eddy viscosity effects on zonal flow
  - Galin, M. B., 19.8-282
- Effective radiation
  - Kostianoi, G. N. et al., 19.5-223
- Effective radiation calculation
  - Kirillova, T. V. et al., 19.1-202
  - Timofeev, N. A., 19.4-252
- Effective temperature distribution
  - Gregorczuk, M. et al., 19.2-216
- Effective temperatures
  - Hounam, C. E., 19.2-217
  - Watt, G. A., 19.5-56
- Eh of soil
  - Bonner, F. T. et al., 19.8-51
- Eigenvalues
  - Petryshyn, W. V., 19.7-100
  - Longuet-Higgins, M. S., 19.8-744
- Ekman convergence effects on tropical storms
  - Gray, W. M., 19.8-296
- Ekman spiral
  - Faller, A. J. et al., 19.10-370
- Elbrus expeditions, 1934-1967
  - Nal'chik U.S.S.R. Vysokogorni Geofizicheskii Institut, 19.12-11
- Electric current measurement techniques
  - Afinogenov, L. P. et al., 19.9-145
- Electric currents in ocean
  - Filloux, J. H., 19.1-426
- Electric field effects on cloud freezing
  - Poc, M. M., 19.9-496
- Electric field effects on droplets
  - Roulleau, M. et al., 19.4-389
  - Ausman, E. L. et al., 19.5-285
- Electric field effects on electron motion
  - Catchpoole, J. R., 19.7-481
- Electric field effects on trapped radiation
  - Samokhin, M. V., 19.1-444
- Electric field in oceans
  - Solov'ev, V. S., 19.1-541
  - Lopatnikov, V. I., 19.3-638
- Electric field measurement techniques
  - Haser, L., 19.2-330
- Electric field meters
  - Oya, H., 19.11-168
- Electric field–solar cycle relationships
  - Lopatnikov, V. I., 19.9-766
- Electric hygrometers
  - Kaganov, M. A., 19.8-129
- Electric power generation
  - Chou, K. C., 19.4-46
- Electric thermometers
  - Bespalov, D. P. et al., 19.8-121
- Electrical charge effects on water drop coalescence
  - Levin, L. M. et al., 19.5-290
- Electrical charges during evaporation processes
  - Azad, A. K. et al., 19.3-262
- Electrical charges on drops
  - Berg, T. G. O. et al., 19.5-389
- Electrical charges on ice particles
  - Odencrantz, F. K. et al., 19.1-347
  - Burrows, D. A. et al., 19.5-388
  - Odencrantz, F. K., 19.9-518
- Electrical charges on raindrops
  - Sartor, J. D. et al., 19.3-368
- Electrical charges on snowflakes
  - Orikasa, K., 19.7-479
- Electrical conductivity in clouds
  - Phillips, B. B., 19.5-383
- Electrical conductivity measurements
  - Bradley, W. E., 19.12-454
- Electrical conductivity of air measurement techniques
  - Dalu, G. et al., 19.9-205
- Electrical conductivity of Earth's crust
  - Filloux, J. H., 19.1-426
  - Kulieva, R. N., 19.5-493
  - Bannister, P. R., 19.8-579
- Electrical conductivity of Earth's mantle
  - Filloux, J. H., 19.1-426
  - Horton, C. W., 19.5-452
- Electrical conductivity of ice
  - Camp, P. R., 19.2-582
  - Jaccard, C., 19.11-761
  - Gow, A. J., 19.12-379
- Electrical conductivity of surface layers
  - Grenet, G., 19.9-637
- Electrical discharge effects
  - Ancona, C., 19.12-464

Electrical effects on ice crystals
  Schaefer, V. J., 19.9-486
Electrical effects on precipitation formation
  Bradley, W. E. et al., 19.4-396
  Bradley, W. E., 19.12-454
Electrical field in oceans
  Lopatnikov, V. I., 19.9-766
Electrical field measurement techniques
  Imianitov, I. M. et al., 19.2-5
Electrical properties of firn
  Hochstein, M. P. et al., 19.4-356
Electrical properties of ice
  Levi, L., 19.11-762
Electrical properties of sea ice
  Addison, J. R. et al., 19.12-753
  Fujino, K., 19.12-758
Electrical prospecting methods
  Accerboni, E. et al., 19.7-823
Electrical resistivity of firn
  Hochstein, M. P. et al., 19.4-356
Electrical resistivity of ice
  Oestrem, G., 19.4-726
Electrical resistivity of ice sheets
  Hochstein, M., 19.4-719
Electrical resistivity of upper mantle
  Mathis, S., 19.5-453
Electrical resistivity sounding of glaciers
  Roethlisberger, H., 19.4-720, 721
  Voegtli, K., 19.4-722
Electricity of fair weather
  Imianitov, I. M. et al., 19.2-5
Electricity of precipitation
  Reiter, R., 19.12-459
Electrification by freezing
  Pruppacher, H. R. et al., 19.6-376
Electrification of clouds
  Azad, A. K. et al., 19.2-331
  Tamura, Y., 19.3-370
  Krasnogorskaia, N. V., 19.4-390
  Abbas, M. A. et al., 19.4-395
  Bradley, W. E. et al., 19.4-396
  Orikasa, K., 19.7-479
  Bradley, W. E. et al., 19.11-520
  Reiter, R., 19.12-459
Electrification of ice
  Magono, C. et al., 19.11-766
Electro–congelation
  Roulleau, M. et al., 19.4-389
Electrode effect theory
  Krasnogorskaia, N. V., 19.3-367
Electrohydrodynamics of drops
  Azad, A. K. et al., 19.2-331
Electrojet
  Cahill, L. J., 19.5-530
  Sastry, T. S. G., 19.8-527
Electrojet current system
  Fel'dshtein, Ia. I. et al., 19.10-611
Electrojet currents
  Duffus, H. J. et al., 19.8-504
Electrojet–geomagnetic relationships
  Gupta, J. C., 19.1-432
Electromagnetic disturbance propagation
  Bochnicek, J., 19.11-529
Electromagnetic emission scattering
  Vanmassenhove, F. R. et al., 19.6-458
Electromagnetic field at sea
  Mathis, S., 19.5-453
Electromagnetic field effects on charged particles
  Asseo, E. et al., 19.5-513
Electromagnetic field variations
  Filloux, J. H., 19.1-426
Electromagnetic fields
  Rotanova, N. M., 19.5-475
Electromagnetic fluctuations
  Sitenko, A. G., 19.2-13
Electromagnetic ocean current measurements
  Shneer, V. S., 19.2-536
Electromagnetic range measurements
  Thompson, M. C., Jr., 19.9-126
Electromagnetic wave diffraction
  Il'in, V. S. et al., 19.12-159
Electromagnetic wave equations
  Bork, A. M., 19.6-87
Electromagnetic wave interaction in plasma
  Papa, R. J., 19.9-113
  Rydbeck, O. E. H., 19.12-461
Electromagnetic wave interaction with shock waves
  Chen, C. P. et al., 19.5-516
Electromagnetic wave propagation
  Pogorelov, V. I., 19.1-161
  Schlak, G. A. et al., 19.4-51
  Keller, J. B., 19.5-60
  Bahar, E., 19.6-86
  Vezzetti, D. J. et al., 19.7-86
  Unthank, E. L., 19.7-116
  Lee, W. C. Y. et al., 19.8-69
  Rydbeck, O. E. H., 19.9-601
  Westcott, B. S., 19.10-222
  Rycroft, M. J., 19.10-551
  Tatarskii, V. I., 19.12-55
  Inoue, Y. et al., 19.12-490
Electromagnetic wave propagation in a plasma
  Baldwin, D. E., 19.5-514
  Ginzburg, V. L., 19.9-3
  Brand, G. F. et al., 19.9-111
  Papa, R. J., 19.9-113
  Lacoume, J. L., 19.10-73
Electromagnetic wave propagation textbooks
  Bohn, E. V., 19.7-3
Electromagnetic wave recorders
  Unthank, E. L., 19.7-116
Electromagnetic wave reflection
  Eritsian, O. S., 19.2-62
  Maslova, L. M., 19.12-160
Electromagnetic wave refraction
  Eritsian, O. S., 19.2-62
  Fremouw, E. J. et al., 19.9-612
  Saastamoinen, J., 19.10-220
Electromagnetic wave scattering
  Fung, A. K., 19.1-479
  Tatarskii, V. I., 19.12-55
Electrometeorographs
  Beliaev, V. P. et al., 19.9-166
Electron acceleration
  Charman, W. N., 19.6-518
Electron acceleration in magnetosphere
  Sakurai, K., 19.3-517
Electron collision frequencies in F2 region
  Krishnamurthi, M. et al., 19.3-392
Electron concentration in ionosphere
  Mechtly, E. A. et al., 19.3-395
Electron concentration in mesosphere
  LeLevier, R. E. et al., 19.4-191
Electron density
  Baxter, R. G. et al., 19.12-465
Electron density in auroral zones
  Baker, K. D., 19.10-565
Electron density in D layer
  Mechtly, E. A. et al., 19.7-524
  Sechrist, C. F., Jr., 19.9-604
Electron density in D region
  Hall, J. E. et al., 19.4-421
  Thrane, E. V. et al., 19.6-504
  Bain, W. C. et al., 19.10-512
  Bragin, Iu. A. et al., 19.10-517
  Dieminger, W., 19.11-279, 280
Electron density in E layer
  Serafimov, K. D. et al., 19.1-386
  Brown, G. M. et al., 19.4-409
  Aikin, A. C. et al., 19.8-497
Electron density in E region
  Matuura, N., 19.12-498
Electron density in F layers
  Evans, J. V., 19.12-477
Electron density in F region
  Evans, J. V., 19.3-380
  Chandra, S. et al., 19.6-480
  Balarama Rao, P., 19.9-573

Electron density in F1 layer
  Brown, G. M. et al., 19.4-409
Electron density in F2 layer
  Rishbeth, H., 19.6-499
Electron density in F2 region
  Sato, T., 19.4-445
Electron density in magnetosphere
  Molchanov, O. A., 19.2-460
  Yoh, P., 19.4-537
  Bouriot, M. et al., 19.10-627
Electron density measurement techniques
  Fiocco, G., 19.9-262
Electron density profiles
  Evans, J. V. et al., 19.9-577
Electron density variations
  Lyon, G. F., 19.9-613
Electron diffusion
  Kavanagh, L. D., Jr., 19.8-584
Electron distribution in Earth's magnetic tail
  Montgomery, M. D., 19.7-591
Electron dumping in outer atmosphere
  Bowman, G. G., 19.1-29
Electron energy
  Green, A. E. S. et al., 19.5-560
Electron energy measurements
  Stebbings, R. F. et al., 19.7-242
Electron energy spectrum
  Murayama, T. et al., 19.7-616
  Chase, L. M., 19.10-563
Electron flux energy
  Michel, F. C., 19.12-517
Electron flux in interplanetary space
  Grigorov, N. L. et al., 19.8-622
Electron flux in magnetosphere
  Tverskaia, L. V. et al., 19.5-522
  Lanzerotti, L. J., 19.6-546
  Vasyliunas, V. M., 19.8-270
  Kavanagh, L. D., Jr., 19.8-584
  Hargreaves, J. K. et al., 19.10-631
Electron flux in outer atmosphere
  Anderson, K. A., 19.7-621
Electron flux in upper atmosphere
  Perola, G. C. et al., 19.3-435
Electron flux measurements
  Jokipii, J. R. et al., 19.1-419
  Nakagawa, S., 19.3-528
  Walt, M., 19.4-456
  Chase, L. M., 19.10-563
  Maehlum, B. N., 19.10-634
Electron heating
  Barnes, A., 19.6-547
  Rees, M. H. et al., 19.10-549
Electron microscopes
  Farlow, N. H., 19.12-609
Electron orbits
  Megaw, W. J. et al., 19.12-456
Electron precipitation
  Walt, M., 19.4-456
  Evans, J. E. et al., 19.5-517
  Fritz, T. A., 19.10-5
Electron precipitation at high altitudes
  Cole, K. D., 19.11-531
Electron precipitation effects on ionosphere
  Torr, D. G. et al., 19.5-426, 427
  Bradbury, J. N. et al., 19.7-497
Electron precipitation–geomagnetic disturbance relationships
  Brown, R. R., 19.5-438
Electron precipitation–geomagnetic micropulsation relationships
  McPherron, R. L. et al., 19.7-619
Electron–proton collision frequencies
  Hartle, R. E. et al., 19.8-596
Electron pulses–magnetic field relationships
  Jokipii, J. R., 19.7-590
Electron spectrum in auroras
  Reidy, W. P. et al., 19.9-618
Electron temperature measurement techniques
  Fiocco, G., 19.9-262
Electron temperature measurements
  Field, C., 19.7-638
Electron temperatures
  Rees, M. H. et al., 19.10-549
Electronic computer applications
  Kolmakov, I. B. et al., 19.1-141
  Bristor, C. L., 19.9-645
Electronic computer applications to astronomy
  Brahde, R., 19.1-457
Electronic computer applications to forecasting
  Petrichenko, I. A., 19.3-103
  Orlova, E. M. et al., 19.3-106
  Mason, B. J., 19.10-161
  Besleaga, N. et al., 19.11-176
  Endlich, R. M. et al., 19.11-191
Electronic computer applications to geology
  Canada. National Advisory Committee on Research in the Geological Sciences, 19.4-23
  Miesch, A. T., 19.5-31
Electronic computer applications to hydraulics
  Ivanov, V. V. et al., 19.12-795
Electronic computer applications to hydrology
  Heinrichsdorf, F., 19.1-122
  Linsley, R. K., 19.2-285
  Vemuri, V. et al., 19.3-708
  Levin, A. G. et al., 19.3-716
  Khokhlov, A. V., 19.6-738
  Chemerenko, E. P., 19.9-808
  Dement'ev, N. F., 19.11-787
  Grigor'ev, V. I. et al., 19.11-790
  Fiering, M. B., 19.12-780
  Liao, K. H. et al., 19.12-781
  Harder, J. A., 19.12-799
Electronic computer applications to ionosphere
  Becker, W., 19.2-337
  Brooks, D. R. et al., 19.2-342
  Howe, H. H. et al., 19.2-361
  Titheridge, J. E., 19.2-384
  Wright, J. W., 19.2-388
Electronic computer applications to meteorology
  Hewson, E. W. et al., 19.1-40
  Sviridova, M. A. et al., 19.4-143
  Berz, G., 19.6-284
  Kolsky, H. G., 19.7-40
Electronic computer applications to oceanography
  Canada. Oceanographic Data Centre, Ottawa, 19.2-516
  Diemer, F., 19.2-517
  U. S. Nat'l Oceanog. Data Center, 19.2-530
  Dubina, R. B. et al., 19.3-609
  Ferrara, A. A., 19.5-629
Electronic computer applications to satellite cloud analysis
  Kornfield, J. et al., 19.5-114
Electronic computer applications to upper air data processing
  Krechmer, M. V. et al., 19.8-84
  Prashko, D. V. et al., 19.9-131
Electronic computer applications to upper air wind data
  Trifonov, G. P., 19.9-135
Electronic computer programs
  Schwenke, T. W. et al., 19.1-6
  Brahde, R., 19.1-457
  Baier, W. et al., 19.3-354
  Jones, R. M., 19.6-89
  Sigillito, V. G., 19.7-42
  Derco, V. S., 19.8-430
  Prashko, D. V. et al., 19.9-131
  Kostianoi, G. N., 19.9-352
Electronic computer "Ural-2"
  Bychkov, N. F. et al., 19.10-157
Electronic computer "Ural 4"
  Svetlova, T. P., 19.4-62
Electronic computer uses
  Liakhov, B. M., 19.2-447

Electronic computer uses in meteorology
Fea, G. et al., 19.9-219
Electronic computer uses in oceanography
Wolff, P. M. et al., 19.9-763
Electronic computers
Hewson, E. W. et al., 19.1-40
Fea, G. et al., 19.9-219
Ivanova, A. A. et al., 19.9-826
Zelikovskii, V. E., 19.11-128
Electronic data processing
Chudnovskii, A. F. et al., 19.7-91
Electronic devices
Chudnovskii, A. F. et al., 19.7-91
Fedotova, L. V., 19.11-161
Gnilitskii, V. V., 19.11-163
Electronic distance measurement instruments
Thompson, M. C., Jr., 19.4-52
Electronic oceanographic instruments
Cornell, S., 19.3-627
Ferrara, A. A., 19.5-629
Electrooptical distance measurement
Mitter, J., 19.4-380
Electrostatic analyzers
Kuck, G. A., 19.2-441
Electrostatic field generation
Ivanov, K. G. et al., 19.8-510
Electrostatic fluxmeters
Imianitov, I. M. et al., 19.9-206
Electrotelluric field measurements
Lopatnikov, V. I. et al., 19.4-620
Elementary meteorology textbooks
Pruegel, H., 19.11-3
Eleven-year cosmic ray intensity variations
Lockwood, J. A. et al., 19.4-488
Eleven-year cosmic ray variations
Kuzhevskii, B. M. et al., 19.4-486
ELF, *see* **ELF as an acronym**
"Eltanin" cruises
Jacobs, S. S. et al., 19.8-707
Antarctic Journal of the United States, 19.11-694
Emanometry
Ittner, E., 19.1-114
Emission line 3914 Å
Romick, G. J. et al., 19.4-397
Broadfoot, A. L., 19.10-490
Emission line 5300 Å
Huruhata, M. et al., 19.11-549
Emission line 5577 Å
Hernandez, G. J. et al., 19.2-412
Roach, F. E. et al., 19.2-416
Sears, R. D., 19.3-418
Romick, G. J. et al., 19.4-397
Gordon, M. A., 19.7-559
Karandikar, R. V., 19.10-568
Huruhata, M. et al., 19.11-549
Emission line 5577 Å intensity variations
Nasyrov, G. A., 19.2-415
Emission line 5893 Å
Nasyrov, G. A., 19.3-416
Emission line 6300 Å
Warneck, P. et al., 19.1-408
Carlson, H. C., Jr., 19.2-410
Roach, F. E. et al., 19.2-416
Carlson, H. C., 19.3-377
Sears, R. D., 19.3-418
Romick, G. J. et al., 19.4-397
Brown, W. E. et al., 19.4-472
Gordon, M. A., 19.7-559
Huruhata, M. et al., 19.8-547
Carlson, H. C. et al., 19.10-580
Peterson, V. L., 19.10-583
Emission spectra
Millikan, R. C., 19.4-64
Encyclopedias
Fairbridge, R. W., 19.4-1
Energetic auroral ions
Reasoner, D. L. et al., 19.12-516
Energetic cosmic ray particles
Shen, C. S. et al., 19.12-524
Energy balance
Viswanadham, Y., 19.7-261
Energy balance methods
Hoegstroem, U., 19.12-319
Energy balance of Arctic Regions
Ahrnsbrak, W. F., 19.10-279
Energy balance of middle atmosphere (25-105 km)
Leovy, C. B., 19.9-310
Energy balance of snow cover
Anderson, E. A., 19.7-431
Energy balance of synoptic processes
Makai, M., 19.12-171
Energy budget
Dutton, J. A. et al., 19.1-171
Gruber, A. et al., 19.8-374
Energy budget of cornfield
Wright, J. L. et al., 19.3-42
Energy budget of stratosphere
Richards, M. E., 19.10-243
Energy diagrams
Lockwood, J. G., 19.11-298
Energy dissipation
Wilkins, E. M., 19.4-207
Energy exchange leaves-atmosphere
Gates, D. M., 19.6-444
Energy exchange ocean-atmosphere
Garstang, M. et al., 19.1-517
Miller, B. I., 19.9-341
Stevenson, R. E. et al., 19.9-343
Energy of storms
Darkow, G. L., 19.7-292
Energy of typhoons
Anthes, R. A. et al., 19.9-331
Energy transfer
Murakami, T., 19.2-170
Energy transformation
Borisenkov, E. P., 19.11-322
Engineering hydrology
Wallace, D. E. et al., 19.10-786
English–Russian forecasting glossaries
Ivanov, K. A., 19.7-48
Enthalpy
Barwick, A. J. et al., 19.7-264
Yesavage, V. F. et al., 19.8-287
Gregorczuk, M., 19.11-508
Entropy
Olberg, M., 19.6-244
Entropy of ice
Suzuki, Y., 19.2-585
Entropy of ice crystals
Suzuki, Y., 19.12-387
Environment control
Marwick, C., 19.5-158
Environmental effects
Flemming, G., 19.11-509
Environmental influences
Geonautics, Inc., Wash., D. C., 19.7-82
Saltzman, B., 19.11-485
Environmental influences on temperature
Barany, I., 19.9-539
Environmental radioactivity
Bozoky, L. et al., 19.6-234
Environmental Science Services Administration
Popkin, R., 19.2-35; 19.10-32
U. S. ESSA, 19.10-33
ESSA publications
Paulhus, J. L. H., 19.9-75
ESSA's Institute for Oceanography
U. S. Environ. Sci. Serv. Admin., 19.7-714
ESSA's marine services
Mirabito, J. A., 19.9-61
Environmental sciences research programs
White, R. M., 19.1-33; 19.10-35
Equations of motion
Gordon, A. H., 19.6-238
Nicholson, F. T., 19.7-472
Rokotian, V. E., 19.11-305
Mintz, Y., 19.11-311

  Merilees, P. E., 19.12-187
Equations of state of sea water
  Li, Y. H., 19.4-625
Equations of state of water
  Li, Y. H., 19.4-625
Equatorial cell in general circulation
  Asnani, G. C., 19.5-193
Equatorial circulation
  Fal'kovich, A. I., 19.1-184
  Dobryshman, E. M. et al., 19.3-174
  Purganskii, V. S., 19.8-293
Equatorial climatology
  Serra, A. B., 19.11-339
Equatorial counter currents
  Ponomarenko, G. P., 19.2-565
Equatorial currents
  Taft, B. A., 19.4-665
Equatorial D region
  Flock, W. L. et al., 19.5-403
Equatorial electrojet
  Hutton, R., 19.4-423
  Untiedt, J., 19.4-455
  Yacob, A., 19.4-458
  Kamenetskaia, G. Kh., 19.5-408
  Cahill, L. J., 19.5-530
Equatorial electrojet analysis
  Balsley, B. B., 19.7-351
Equatorial electrojet–geomagnetic variations relationships
  Mayaud, P. N., 19.3-461
Equatorial electrojet in Indian Region
  Rao, D. R. K., 19.7-354
Equatorial electrojet intensities
  Onwumechilli, A., 19.10-615
Equatorial electrojet–sunspots relationships
  Rao, K. N. et al., 19.6-498
Equatorial F region characteristics
  Cohen, R., 19.10-521
Equatorial F2 layer
  Bramley, E. N. et al., 19.6-479
Equatorial geomagnetic variations
  Onwumechilli, A., 19.10-615
Equatorial ionosphere
  King, J. W. et al., 19.2-365
  Dunford, E., 19.4-415
  Farley, D. T. et al., 19.4-417
Equatorial ionosphere structure
  Cohen, R., 19.10-521
Equatorial ocean currents
  Krivelevich, L. M., 19.8-731; 19.12-711
Equatorial regions
  Iaremenko, L. N., 19.9-630
Equatorial sporadic E (Es)
  Kato, S. et al., 19.9-591
Equatorial stratosphere
  Beyers, N. J. et al., 19.5-235
Equatorial stratospheric circulation
  Maruyama, T., 19.7-274
Equatorial stratospheric winds
  Quiros, R. S. et al., 19.1-270
Equatorial trough zones
  Quinn, W. H. et al., 19.3-199
Equatorial undercurrent
  Metcalf, W. G. et al., 19.1-565
  Murty, A. V. S., 19.4-663
  Taft, B. A., 19.4-665
  Taft, B. A. et al., 19.5-14
  Taft, B. A., 19.9-783
Equatorial undercurrent observations
  Swallow, J. C., 19.9-782
Equatorial upwelling
  Takano, K., 19.6-678
Equatorial winds
  Kalugina, T. P. et al., 19.9-441
Equilibrium temperature gradient
  Akademiia Nauk SSSR. Izvestiia. Fizika Atmosfery i Okeana, July 1967, 19.1-250
  Orlenko, L. R., 19.1-251
  Shekhter, F. N., 19.1-253
  Tsvang, L. R. et al., 19.1-254
Equivalent potential temperature
  Garstang, M. et al., 19.3-155
Equivalent potential temperature variations
  LaSeur, N. E., 19.9-307
Equivalent temperature tables
  Struylaert, W., 19.4-205
Erosion control
  Smith, D. D., 19.9-513
Erosion of materials
  Cordova, H. I. et al., 19.6-82
Erosion processes
  Smith, D. D., 19.9-513
  Soons, J. M., 19.12-376
Erythema formation
  Generalov, A. A., 19.2-210
Escape layer
  Chamberlain, J. W. et al., 19.1-135
ESRO, *see* European Space Research Organization
ESSA, *see* Environmental Science Services Administration
Estuarine circulation
  Bowden, K. F. et al., 19.5-701
Estuarine currents
  Forrester, W. D., 19.3-649
  Skriptunov, N. A., 19.9-795
Estuarine diffusion
  Higuchi, H. et al., 19.3-624
  Bowden, K. F. et al., 19.5-701
Estuarine ecology
  Kinne, O., 19.2-575
Estuarine fauna
  Kinne, O., 19.2-575
Estuarine hydrography
  Lockwood, M. G. et al., 19.2-573
  Rozengurt, M. Sh. et al., 19.9-771
  Rozengurt, M. Sh., 19.9-840
Estuarine hydrology
  Drozdov, V. N., 19.9-838
  Mikhailov, V. N., 19.9-839
  Tlenbekov, O. K., 19.9-841
  Antonov, V. S., 19.12-800
Estuarine mixing
  Bowden, K. F. et al., 19.5-701
  Tsurikova, A. P. et al., 19.8-745
  Khodkin, S. S., 19.9-797, 798
  Serebriakov, A. V., 19.10-767
Estuarine salinity
  Kinne, O., 19.2-575
  Tsurikova, A. P. et al., 19.8-745
Estuarine sediment transport
  Prentice, J. E. et al., 19.12-740
Estuarine water balance
  Rozengurt, M. Sh., 19.9-840
Estuary research
  Majewski, A., 19.11-744
Eulerian and Lagrangian scales of turbulence
  Smith, F. B., 19.5-190
Eulerian correlation function
  Philip, J. R., 19.10-339
Eulerian correlations
  Schmidt, I., 19.6-248
Eulerian equations
  Gubin, V. I., 19.12-185
European Space Research Organization (ESRO)
  Di Benedetto, F., 19.10-38
Esro satellite, Neutral 1
  O'Brien, B. J., 19.3-514
Esro satellite 2
  Brunt, P. et al., 19.6-133
Eustatic sea level changes
  Redfield, A. C., 19.5-642
  Bloch, M. R., 19.8-715
  Russell, K. L., 19.12-686
Eutrophication
  Beeton, A. M., 19.8-759
Evaporation
  Patric, J. H., 19.4-319
Evaporation calculation techniques
  Gorbunova, I. G., 19.4-314
  Gladki, H., 19.10-396
Evaporation calculations
  Palmen, E. et al., 19.1-281
  Baumgartner, A., 19.3-263
  Bavina, L. G., 19.3-264
  Kaganer, M. S. et al., 19.4-315
  Gel'bukh, T. M., 19.7-371
  Izotova, A. F., 19.8-406
  Konstantinov, A. R., 19.9-121
  Birman, B. A., 19.9-473

  Shcherbak, A. V., 19.9-480
  Sanoian, M. G. et al., 19.10-398
  Brutsaert, W. et al., 19.12-91
  Hoegstroem, U., 19.12-319
  Fox, M. J., 19.12-320
  Siletskii, K. N., 19.12-321
Evaporation charts
  Bruce, J. P. et al., 19.7-368
Evaporation data
  Holland, D. J., 19.11-428
Evaporation-drought relationships
  Konstantinov, A. R. et al., 19.11-457
Evaporation estimation
  Kohler, M. A. et al., 19.3-270
  Hanks, R. J. et al., 19.6-362
  Linacre, E. T., 19.6-364
  Ghose, S. K., 19.7-372
  Dyer, A. J., 19.8-402
Evaporation forecasting
  Fox, M. J., 19.12-320
Evaporation formulas
  Fuchs, M. et al., 19.2-267
  Kaganer, M. S. et al., 19.4-315
  Gel'bukh, T. M., 19.7-371
  Hargreaves, G. H., 19.8-405
Evaporation from cotton fields
  Davenport, D. C. et al., 19.3-39
  Lapshova, L. P., 19.4-317
Evaporation from crops
  Makarova, V. S. et al., 19.3-271
  Linacre, E. T., 19.6-364
  Dyer, A. J., 19.8-402
  Waggoner, P. E. et al., 19.9-540
Evaporation from dry stream beds
  Fox, M. J., 19.12-320
Evaporation from fields
  Kulikov, Iu. N., 19.12-92
Evaporation from forests
  Fedorov, S. F., 19.1-279; 19.8-107
  Krecmer, V., 19.8-408
  Rakhmanov, V. V., 19.9-478
  Read, R. G., 19.9-479
Evaporation from ice caps
  Budd, W., 19.12-318
Evaporation from irrigated fields
  Gorbunova, I. G., 19.4-314
Evaporation from lakes
  Roberts, W. J. et al., 19.1-284
  Bean, B. R., 19.3-265
  Kohler, M. A. et al., 19.3-270
  Kaganer, M. S. et al., 19.4-315
  Bean, B. R. et al., 19.7-367
  Bruce, J. P. et al., 19.7-368
  Izotova, A. F., 19.8-406
Evaporation from pan comparisons
  Louw, W. J., 19.9-476
  Brutsaert, W. et al., 19.12-91
Evaporation from plant cover
  Rauner, Iu. L. et al., 19.5-212
Evaporation from plants
  Waggoner, P. E., 19.6-365
Evaporation from reservoir surfaces
  Siletskii, K. N., 19.12-321
Evaporation from reservoirs
  Kaganer, M. S. et al., 19.4-315
  Ghose, S. K., 19.7-372
  Birman, B. A., 19.9-473
Evaporation from sea surfaces
  Derycke, R. J., 19.3-268
  Fedorova, Z. P., 19.11-737
Evaporation from seas
  Palmen, E. et al., 19.1-281
Evaporation from skin
  Waggoner, P. E., 19.6-365
Evaporation from snow cover
  Kopanev, I. D., 19.4-316
  Shcherbak, A. V., 19.9-480
Evaporation from snow surfaces
  Meiman, J. R. et al., 19.2-268
Evaporation from soil
  Cary, J. W., 19.3-266
  Fontes, J. C. et al., 19.5-764
  Hanks, R. J. et al., 19.6-362
  Fritton, D. D. et al., 19.8-403
  Zimmermann, U. et al., 19.10-801
Evaporation from soil surfaces
  Dryden, P. S., 19.2-266
  Fuchs, M. et al., 19.2-267
  Akopian, A. S., 19.9-842
Evaporation from swamps
  Bavina, L. G., 19.3-264
Evaporation from water surfaces
  Brutsaert, W., 19.2-264
  Gel'bukh, T. M., 19.7-371
Evaporation instruments
  Winter, E. J. et al., 19.9-183
  Louw, W. J., 19.9-476
Evaporation measurement comparisons
  Iwakiri, S., 19.9-474
  Louw, W. J., 19.9-476
Evaporation measurement techniques
  Dryden, P. S., 19.2-266
  Kulikov, Iu. N., 19.12-92
Evaporation measurements
  Davenport, D. C., 19.2-265
Evaporation nomograms
  Gorbunova, I. G., 19.4-314
Evaporation of droplets
  Makuashev, M. K., 19.9-477
Evaporation of ice
  De Micheli, S. M., 19.11-755
Evaporation of irrigation water
  Lauritzen, C. W. et al., 19.7-373
Evaporation of sea water–atmospheric electricity relationships
  Azad, A. K. et al., 19.3-262
Evaporation of snow
  Ashwell, I. Y. et al., 19.2-263
Evaporation of water drops
  Ermoshina, L. I., 19.5-282
  Berg, T. G. O. et al., 19.5-389
Evaporation profiles
  Davenport, D. C., 19.2-265
Evaporation–radiation correlations
  Hanks, R. J. et al., 19.6-362
Evaporation rate
  Davenport, D. C. et al., 19.3-39
Evaporation reduction
  Bean, B. R., 19.3-265
  Bean, B. R. et al., 19.7-367
Evaporation suppression
  Meiman, J. R. et al., 19.2-268
Evaporation suppression from reservoirs
  Puchkarev, V. F. et al., 19.1-283
Evaporation variations
  Davenport, D. C., 19.2-265
  Berliand, T. G. et al., 19.10-281
Evaporation water loss investigations
  Ahmad, N., 19.3-724
Evaporimeters
  Martinez, L. C., 19.6-150
Evaporographs
  Sintsov, V. N., 19.5-130
Evapotranspiration
  Patric, J. H., 19.4-319
  Hagan, R. M. et al., 19.7-19
Evapotranspiration calculation
  Soederman, D. et al., 19.1-285
  Vershinin, A. P., 19.9-482
Evapotranspiration–crop relationships
  Ekern, P. C., Jr. et al., 19.7-369
  Gates, D. M. et al., 19.7-370
Evapotranspiration data
  Kato, T. et al., 19.7-362
  Ward, R. C., 19.10-399
Evapotranspiration determination
  Sturges, D. L., 19.8-413
  Palmen, E., 19.9-815
Evapotranspiration estimation
  Soederman, D. et al., 19.1-285
  Irrigation and Drainage Specialty Conf., Las Vegas, Nevada, 1966, 19.7-18
  Panel on the use of Isotope and Radiation Tech. in Soil–Moisture and Irrigation Studies, Vienna, March 1966, 19.7-20

Shannon, J. W., 19.7-152
Robb, D. C. N., 19.8-412
Evapotranspiration formulas
Hargreaves, G. H., 19.8-405
Evapotranspiration from crops
Pomytkin, B. A., 19.1-282
Damagnez, J., 19.8-134
Stewart, E. H. et al., 19.9-481
Carder, A. C., 19.11-152
Jensen, M. C., 19.11-429
Evapotranspiration from grass
Hunt, L. A. et al., 19.6-288
Evapotranspiration from rice fields
Makarova, V. S. et al., 19.3-271
Evapotranspiration from sugarcane
Thompson, G. D. et al., 19.1-286
Evapotranspiration from watersheds
Mustonen, S. E. et al., 19.3-272
Evapotranspiration instruments
Carder, A. C., 19.11-152
Evapotranspiration losses
Blaney, H. F. et al., 19.8-401
Evapotranspiration measurement techniques
Haise, H. R. et al., 19.7-58
Slatyer, R. O. et al., 19.7-97
Tanner, C. B., 19.7-98
Damagnez, J., 19.8-134
Joint FAO/IAEA Div. of Atomic Energy in Food and Agric., 19.8-407
Evapotranspiration mechanics
Penman, H. L. et al., 19.7-374
Nixon, P. R. et al., 19.8-411
Evapotranspiration–soil moisture relationships
McDaniels, L. L., 19.8-409
Stewart, E. H. et al., 19.9-481
Evapotranspiration–soil relationships
Ekern, P. C., Jr. et al., 19.7-369
Evapotranspiration studies
Decker, W. L., 19.11-427
Evershed effect
Maltby, P. et al., 19.5-591
Maltby, P., 19.12-631
Evershed motion origin
Altschuler, M. D. et al., 19.10-697
Evershed velocity determination
Ikhsanov, R. N., 19.12-620
Evolution
Jastrow, R., 19.11-612
Excessive rainfall frequency
Deshpande, D. V., 19.9-506
Exobiology
Cade, C. M., 19.7-11
Exosphere
Sargent, F., II, 19.1-128
Exosphere models
Izakov, M. N., 19.9-275
Exospheric composition
Colin, L. et al., 19.9-288
Exospheric density
Fea, K., 19.6-134
Exospheric density variations
Cook, G. E. et al., 19.4-173
Exospheric electron temperatures
Colin, L. et al., 19.9-288
Exospheric ion temperatures
Bezrukikh, V. V. et al., 19.4-266
Colin, L. et al., 19.9-288
Exospheric ionization
Colin, L. et al., 19.9-288
Exospheric plasma
Gul'el'mi, A. V., 19.1-159
Expeditionary data
Doherty, H. B., 19.9-148
Expeditionary meteorological data
Yorath, J. V., 19.1-76
Experimental Earth sciences
Goran, M., 19.6-38
Experimental hydrology
Wiser, E. H., 19.10-457
Experimental meteorology
Goran, M., 19.6-38
Experimental oceanography
Goran, M., 19.6-38
Explosion effects on ocean surface
Chan, B. C. et al., 19.12-691
Explosion waves
Stoffregen, W. et al., 19.3-413
MacKinnon, R. F., 19.4-276
Balcerzak, M. J., 19.8-494
Exposure effects on pan evaporation
Peck, E. L., 19.7-5
Extended forecasting techniques
Koppany, G., 19.1-123
Rahau, L. et al., 19.1-124; 19.12-134
Extended range forecasting
Farm Journal, Phil., 19.12-139
Extensive air showers
Charman, W. N., 19.1-352
Efimov, N. N., 19.1-417
Amineva, T. P. et al., 19.2-420
Jelley, J. V. et al., 19.2-430
Skobel'tsyn, D. V., 19.4-10
Charman, W. N., 19.6-518
Extinction coefficient
Hunter, W. R., 19.8-318
Bullrich, K. et al., 19.12-144
Waller, G. et al., 19.12-232
Extinction coefficient in sea
Kozlianinov, M. V. et al., 19.4-631
Extrapolation
Haude, W., 19.11-453
Extraterrestrial life
Cade, C. M., 19.7-11
Extraterrestrial radiation balance
Burdecki, F., 19.10-30
Extreme rainfall analysis
Taraszkiewicz, W., 19.10-421
Extreme temperature frequencies
Valovic, S., 19.5-230
Extreme temperature probabilities
Valovic, S., 19.5-230
Extreme ultraviolet radiation effects on ionosphere
Garriott, O. K. et al., 19.4-419
Extreme ultraviolet solar spectrum
Tousey, R., 19.2-511

F

F layer disturbances
Agy, V., 19.9-570
F layer drift
Karnaushenko, N. N., 19.3-387
Bousquet, C. et al., 19.5-397
Deshpande, M. R. et al., 19.6-484
F layer height
Shapiro, B. S. et al., 19.5-421
F layer height–magnetic storm relationships
Shapiro, B. S. et al., 19.5-421
F layer ionization
Vasil'ev, K. N., 19.1-390
Bousquet, C. et al., 19.5-397
Chernysheva, S. P. et al., 19.5-398
Cummack, C. H., 19.6-481
F layer models
Cummack, C. H., 19.6-481
F layer night airglow emission
Peterson, V. L., 19.3-417
F layer temperatures
Evans, J. V., 19.3-380
F region
Abdu, M. A. et al., 19.4-402
Hanson, W. B. et al., 19.7-509
Knudsen, W. C., 19.8-515
Balarama Rao, P., 19.9-573
Rishbeth, H., 19.9-600
Carru, H. et al., 19.11-530
Cole, K. D., 19.11-531
Beynon, W. J. G. et al., 19.12-467
Briggs, B. H. et al., 19.12-473
Doupnik, J. R. et al., 19.12-475
Kent, G. S. et al., 19.12-494
F region data
Leftin, M. et al., 19.6-493

F region irregularities
Weill, G., 19.4-475
F region profiles
Taieb, C., 19.2-381
F1 layer formation
Shchepkin, L. A., 19.1-389
F 1½ layer
Kasymova, A. G., 19.3-388
F2 layer
Whitten, R. C. et al., 19.3-402
Rush, C. M. et al., 19.7-532
Shapiro, B. S. et al., 19.7-534
F2 layer changes
Siddiqui, M. M. et al., 19.6-501
F2 layer critical frequencies
Dolgova, E. I., 19.2-348
Kovalevskaia, E. M., 19.2-370
Gubenko, V. S. et al., 19.7-508
Singler, A., 19.8-530
F2 layer diffusion
Kendall, P. C. et al., 19.12-493
F2 layer disturbances
Vila, P., 19.11-545
F2 layer drifts
Bramley, E. N. et al., 19.6-479
Baxter, R. G. et al., 19.12-465
Kendall, P. C. et al., 19.12-493
F2 layer height variations
King, J. W. et al., 19.4-429
F2 layer ionization
Bukin, G. V. et al., 19.1-364
Ivanov-Kholodnyi, G. S. et al., 19.2-362
Kolomiitsev, O. P., 19.5-411
Rastogi, R. G. et al., 19.10-548
F2 layer irregularities
Mizun, Iu. G., 19.5-415
F2 layer reflection processes
Shirmammedov, M., 19.2-380
Mizun, Iu. G., 19.5-415
F2 layer variations–atmospheric composition relationships
Kazachevskaia, T. V., 19.7-513
F2 region equatorial anomaly
Mizun, Iu. G., 19.2-374
Bramley, E. N. et al., 19.6-479
FO layer
Kasymova, A. G., 19.3-388
foE variations
Samardzhiev, D. T. et al., 19.1-385
Bencze, V. P., 19.2-339
foE2 variations
Kasymova, A. G. et al., 19.5-409
foEs
Starovatov, A. A., 19.1-388
Ovezgel'dyev, O., 19.2-377
foF2 distribution
Bukin, G. V. et al., 19.1-364
foF2–geomagnetic storm relationships
Mizun, Iu. G., 19.2-374
foF2 variations
Bukin, G. V. et al., 19.1-364
Dolgova, E. I., 19.2-348
Kanellakos, D. P., 19.3-385
Torr, M. R. et al., 19.5-427
King, J. W. et al., 19.7-518
Rajaram, G. et al., 19.7-530
Siddiqui, M. M. et al., 19.9-606
Rastogi, R. G. et al., 19.10-548
Fabry–Perot interferometer
Biondi, M. A. et al., 19.9-620
Facsimile broadcasts
Osherov, Y. E., 19.8-6
Facsimile weather map transmission
Robinson, G. D., 19.1-60
World Meteorological Organization, 19.1-115
Bychkov, N. F. et al., 19.10-157
Holmes, D. W., 19.11-63
Facsimile weather maps
Cressman, G. P., 19.9-209
Fair weather electric field measurements
Kohl, D. A., 19.8-483
Fair weather forecasting
Ratcliffe, R. A. S. et al., 19.1-119
Falling sphere method
Luers, J. et al., 19.2-67
Falling sphere soundings
Mahoney, J. R. et al., 19.6-346
Engler, N., 19.10-88
Fallout composition
Yaalon, D. H. et al., 19.8-420
Far side of the Moon
Rodionova, Zh. F. et al., 19.2-496
Far ultraviolet solar
Gingerich, O. et al., 19.7-698
Far ultraviolet spectra of auroras
Miller, R. E. et al., 19.10-576
Faraday effect on satellite radio transmission
Bertin, F. et al., 19.12-466
Faraday fading of satellite radio wave transmission
Tyagi, T. R., 19.4-454
Titheridge, J. E., 19.6-505
Joint Satellite Studies Group, 19.10-534
Faraday rotation
Ebel, A., 19.1-370
Mass, J. et al., 19.3-394
Mechtly, E. A. et al., 19.3-395
Faraday rotation effects
Bertin, F. et al., 19.10-69
Faraday rotation technique
Goodman, J. M., 19.3-382
Narayana Rao, N. et al., 19.7-525
Rufenach, C. L. et al., 19.7-531
Farm microclimatology
Hauptman, J., 19.7-64
Farming weather
Duckham, A. N., 19.7-53
Weedfall, R. O. et al., 19.7-56
Fauna–geomagnetic relationships
Black, D. I., 19.5-480
Harrison, C. G. A., 19.5-481
Waddington, C. J., 19.5-484
Fedchenko Glacier
Leningrad Univ., 19.11-20
Feed–regulating mechanisms
Wilson, W. O., 19.7-70
Fertilizer effects
Khomiakov, V. N., 19.4-37
Allen, L. D. et al., 19.5-47
Shoulders, E., 19.6-75
Jones, G. B. et al., 19.8-52
Fertilizer effects on atmospheric pollution
Scorer, R. S., 19.7-234
Field capacity
Grigor'eva, L. K., 19.9-100
Field crop evapotranspiration rates
Vershinin, A. P., 19.9-482
Filtering
Wood, L. C., 19.9-73
Finite–difference methods
Molenkamp, C. R., 19.7-267
Fire ant
Rhoades, W. C. et al., 19.1-328
Fire ball, April 1966
Griffin, A. A., 19.9-548
Fire ball data
Ceplecha, Z., 19.4-576
Fire ball orbits
Griffin, A. A., 19.9-548
Fire balls
Bronshten, V. A. et al., 19.6-604
Zotkin, I. T., 19.6-606
Van Diggelen, J., 19.7-678
Fire effects on rainfall
Warner, J., 19.8-216
Fire produced nuclei
Warner, J. et al., 19.2-274
Fire weather conditions
Taylor, D. F. et al., 19.9-108
Firn formation
Kartashov, S. N., 19.3-311
Firn layers
Barkov, N. I. et al., 19.3-302, 303
Ivanov, V. B. et al., 19.3-309, 310

Firn properties
Kartashov, S. N., 19.3-311
Firn sample dating
Lambert, G. et al., 19.6-421
Firn stratigraphy
Epstein, S. et al., 19.2-299
Ambach, W. et al., 19.5-342
Firn studies
Dingle, R. et al., 19.4-375
Firn temperatures
Dingle, R. et al., 19.4-375
Fish ecology
Milinskii, G. I., 19.7-76
Fish resources
Villegas, L. et al., 19.11-98
Fish resources in Sea of Azov
Bogdanova, A. K., 19.10-737
Fisheries
Vinogradov, K. A. et al.,19.7-715
Fisheries bibliographies
Food and Agricultural Organization of the U.N., Rome, 19.2-44
Fisheries periodicals
Food and Agric. Org. of the UN, 19.5-616
Fisheries research
Australia. Commonwealth Scientific and Industrial Research Organization. Div. of Fisheries and Oceanography, 19.4-599
Brandhorst, W. et al., 19.8-732
Fisheries weather forecasting
Sharma, G. S., 19.4-165
Fishing weather forecasting
Strommen, N. D., 19.7-31
Five-day forecasting
Wagner, A. J., 19.1-126
Five hundred mb circulation
Shenk, W. E., 19.1-183
Vorob'eva, E. V., 19.2-168
Five hundred mb height forecasting
Mepistsveridze, E. I., 19.2-108
Five hundred mb numerical analysis
Borodina, A. V., 19.4-146
Hayden, C. M., 19.8-171
Five hundred mb winds
Vondrackova, H., 19.6-348
Flash floods
Krutch, J. W., 19.12-367
Flax cultivation
Pomytkin, B. A., 19.1-282
Fleet Numerical Weather Facility, Monterey, California
Kesel, P. G., 19.9-723
Flight through thunderclouds
Abell, B. F., 19.10-47
Floating breakwater effects on waves
Kato, J. et al., 19.12-743
Floating water level meters
Dimaksian, A. M., 19.11-705
Flood analysis
Uppal, H. L. et al., 19.6-775
Takenouchi, T., 19.7-781
Flood calculation
Lyle, V. M., 19.9-238
Flood control
Fahlbusch, F., 19.4-768
Young, G. K., 19.11-796
Harder, J. A., 19.12-799
Flood control design
Cimpa, F., 19.7-843
Flood damage
Hume, J. D. et al., 19.1-570
Schaake, J. C., Jr. et al., 19.3-721
Boner, F. C. et al., 19.4-366
Bowie, J. E. et al., 19.6-795
Rostvedt, J. O. et al., 19.10-796
Flood damage potential
Bhavnagri, V. S. et al., 19.10-425
Flood damage prevention
Day, H. J., 19.6-186
Bhavnagri, V. S. et al., 19.10-425
White, G. F., 19.12-817
Flood discharge calculations
Azarkovich, E. Sh., 19.7-89
Kato, T. et al., 19.7-362
Pavlenko, G. V., 19.9-232
Flood discharge determination
Liutik, P. M., 19.7-94
Flood discharge estimation
Kriz, V., 19.3-720
Sochorec, R. et al., 19.3-722
Flood discharge forecasting
Ghose, S. K., 19.4-769
Kochelaba, E. I., 19.9-231
Flood discharges
Bailey, J. F. et al., 19.4-767
Bowie, J. E. et al., 19.6-795
Ivanova, A. A., 19.7-847
Kuznik, I. A. et al., 19.9-510
Flood erosion
Beaty, C. B., 19.10-794
Flood estimation
Fahlbusch, F., 19.4-768
Banerji, S. et al., 19.7-840
Flood forecasting
Hiemstra, L. A. V. et al., 19.3-108
Hancu, S. et al., 19.3-125
Desikan, V., 19.3-719
Symp. on Hydromet. of India..., March, 1964, 19.8-21
Aggarwal, G. C. et al., 19.8-179
Lyle, V. M., 19.9-238
Flood forecasting techniques
Babington, S. et al., 19.8-788
Banerjee, K. C., 19.8-789
Maitra, B. et al., 19.8-792
Nature, London, 1968, 19.10-126
Levin, A. G., 19.11-207
Flood formation
Banerji, S. et al., 19.6-768
Chigirinskaia, K. P., 19.6-771
Cross, D. A. E., 19.6-772
Parthasarathy, M. C. et al., 19.6-773
Changraney, T. G., 19.7-842
Datta, R. K. et al., 19.7-844
Flood frequency calculations
McGilchrist, C. A. et al., 19.7-848
U. S. Water Resources Council. Hydrology Committee, 19.12-816
Flood frequency determination
Levashov, A. A., 19.8-791
Flood hydrographs
Zmieva, E. S., 19.3-119
Flood insurance
Schaake, J. C., Jr. et al., 19.3-721
Flood models
Wiser, E. H., 19.10-457
Flood plain effects on peak discharge
Minaeva, G. N., 19.8-793
Flood plain effects on river ice regime
Grushevskii, M. S., 19.7-806
Flood plain vegetation
Kotova, N. G., 19.6-782
Flood plains
Kononov, K. E., 19.3-725
Spitsyn, I. P., 19.6-774
Rozenberg, L. I. et al., 19.7-850
Flood–precipitation relationships
Uppal, H. L. et al., 19.6-775
Flood probability calculation
Grard, R., 19.5-337
Flood producing storms
Wehry, W., 19.5-317
Flood propagation studies
Desikan, V., 19.3-719
Flood rainfall
Benerji, S. et al., 19.6-768
Parthasarathy, M. C. et al., 19.6-773
Bowie, J. E. et al., 19.6-795
Banerji, S. et al., 19.7-841
Dhar, O. N. et al., 19.7-845
George, P. A. et al., 19.7-846
Mukherjee, A. K. et al., 19.7-849
Wehry, W., 19.5-317
Flood rainfall analysis
Dhar, O. N. et al., 19.6-406
Uppal, H. L. et al., 19.6-775
Flood studies
Beaty, C. B., 19.10-794

lood symposia
  Singleton, F., 19.8-794
  Sokolov, A. A., 19.9-866
lood warning
  Collinge, V. K. et al., 19.7-183
lood warning communication stems
  Gray, C. H., 19.8-790
lood warning effectiveness
  Day, H. J., 19.6-186
lood warning services
  Day, H. J., 19.6-186
  Aggarwal, G. C. et al., 19.8-179
lood warnings
  Maitra, B. et al., 19.8-792
lood wave analysis
  Minaeva, G. N., 19.8-793
lood wave calculation
  Sochorec, R. et al., 19.3-722
  Svoboda, A., 19.3-723
ood wave crest propagation
  Rozenberg, L. I. et al., 19.7-850
ood wave propagation
  Ivanova, A. A., 19.7-847
ood wave spreading
  Svoboda, A., 19.3-723
oods, Danube (1967)
  Rai, I. A., 19.5-772
oods, Missouri (July 1965)
  Bowie, J. E. et al., 19.6-795
oods, Montana (June 1964)
  Boner, F. C. et al., 19.4-366
oods, United States (1962)
  Rostvedt, J. O. et al., 19.10-796
oods through channels
  Desikan, V., 19.3-719
orida Current
  Darchen, J., 19.2-563
ow around raindrops
  Abraham, F. F., 19.2-240
ow in canals
  Koren', V. I., 19.9-827
ow in channels
  Glass, L. J. et al., 19.4-335
ow in open channels
  Koren', V. I., 19.9-827
ow meters
  Olson, J. R., 19.3-630
ow rate influence on irrigation
  Mech, S. J. et al., 19.8-780
ow under ice cover
  inotin, V. I. et al., 19.8-779
uid dynamics
  Vallentine, H. R., 19.5-2
  Khorguani, V. G., 19.12-190
  Marlow, F. H. et al., 19.12-273
uid dynamics equations
  Kirwan, A. D., Jr., 19.12-186
uid dynamics textbooks
  atchelor, G. K., 19.1-1
  rodkey, R. S., 19.8-3

Fluid electromagnetodynamics
  Carstoiu, J., 19.12-544
Fluid flow
  Veronis, G., 19.7-260
Fluid flow in porous media
  Bachmat, Y., 19.3-709
  Cooper, H. H., Jr., 19.3-710
  De Wiest, R. J. M., 19.4-761
  Ellis, W. R. et al., 19.9-868
  Stallman, R. W., 19.9-874
  Fan, S. S. T. et al., 19.12-400
Fluid flow measurement techniques
  Elder, R. A. et al., 19.9-813
Fluid flow textbooks
  Brodkey, R. S., 19.8-3
Fluid mechanics
  Martinot-Lagarde, A., 19.2-14
  Vallentine, H. R., 19.5-2
  Hyacinthe, J.-L., 19.6-690, 691
  Veronis, G., 19.7-260
  Kao, S. K., 19.9-305
  Craya, A. et al., 19.10-324
  Maekawa, T. et al., 19.10-335
  Roshko, A., 19.10-342
  Uberoi, M. S. et al., 19.10-349
  Mandell, D. A. et al., 19.10-363
  Tani, I., 19.11-315
  Martin, S., 19.12-173
  Pfeffer, R. L. et al., 19.12-175
  Durney, B., 19.12-179
  Hoiland, E. et al., 19.12-180
  Mack, L. R., 19.12-191
  Pan, F. Y. et al., 19.12-274
Fluid mechanics research
  Malkus, W. V. R. et al., 19.12-172
Fluid motion
  Fagela, E. B. et al., 19.8-280
Fluorescence in upper atmosphere
  Hoffman, J. M. et al., 19.1-81
  Donahue, T. M., 19.11-115
Fluorescent sand tracers
  Patrikeev, V. V. et al., 19.12-739
Fluoride content of air
  Lovelace, J. et al., 19.7-230
Fluoride content of air measurement techniques
  Farrah, G. H., 19.2-131
Fluorine content in atmosphere
  Morik, J. et al., 19.12-148
Fluxometers
  Dryden, P. S., 19.2-266
Flying space devices
  Favorskii, O. N. et al., 19.7-4
Flying weather charts
  U. S. Fed. Aviation Adm. Acad., 19.12-24
FO, *see* FO as acronym
Foehn analysis
  Yabuki, K. et al., 19.7-346

Foehn classification
  Yabuki, K. et al., 19.7-346
Foehn development
  Georgii, W., 19.3-235
  Tailakov, T., 19.3-236
Foehn effects
  Burman, E. A., 19.2-247
Foehn statistics
  Picard, A., 19.5-251
Foehn storms
  Strobel, J., 19.5-252
Foehn velocities
  Gandino, C. et al., 19.5-250
Fog-atmospheric radon relationships
  Cieplinski, J. et al., 19.1-162
Fog clearance forecasting
  Adamy, L., 19.1-121
  Wright, W. B. et al., 19.7-181
Fog climatology
  Levi, M., 19.8-423
Fog dispersal
  Volkovitskii, O. A. et al., 19.11-439
Fog dispersal techniques
  Beckwith, W. B., 19.11-222
Fog dissipation
  Kocmond, W. C., 19.9-247
  Frisby, E. M., 19.9-493
Fog dissipation techniques
  Appleman, H. S., 19.11-221
Fog drop size distribution instruments
  Morawski, J., 19.7-154
Fog droplet sampling techniques
  Vittori Antisari, O. et al., 19.4-108
  Shifrin, K. S. et al., 19.9-187
Fog duration
  Janiszewski, F., 19.7-382
Fog effects on atmospheric electricity
  Jaskowska, A., 19.4-392
Fog effects on highway traffic
  Calif. Div. of Hig=hways, 19.9-14
Fog effects on road traffic accidents
  California Div. of Highways, 19.8-422
Fog forecasting
  Amelin, A. G., 19.2-1
  Olsen, D. E., 19.10-171
Fog forecasting methods
  Zitnik, V., 19.3-107
Fog formation
  Amelin, A. G., 19.2-1
  Levi, M., 19.8-423
  Frisby, E. M., 19.9-493
  Leipper, D. F., 19.10-172
  Volkovitskii, O. A. et al., 19.11-439
Fog frequencies
  Morawska, M., 19.10-406

Fog frequencies – lake response relationships
Rodhe, B., 19.12-444
Fog measurement techniques
Wright, W. B. et al., 19.7-181
Fog microphysics
Amelin, A. G., 19.2-1
Hindman, E. E., II., 19.11-223
Pilie, R. J. et al., 19.11-225
Volkovitskii, O. A. et al., 19.11-439
Fog prevention
Myers, J. N., 19.1-49
Amelin, A. G., 19.2-1
Pilie, R. J. et al., 19.11-225
Fog seeding
Pilie, R. J. et al., 19.11-225
Fog seeding experiments
Kocmond, W. C., 19.9-247
Appleman, H. S., 19.11-221
Hindman, E. E., II, 19.11-223
Kumai, M., 19.11-224
Fog seeding from airplane
Appleman, H. S., 19.11-221
Fog structure
Twomey, S. et al., 19.8-419
Fog variations
Janiszewski, F., 19.7-382
Foot and mouth disease
Nature, London, 19.11-89
Forage crops
Skovlin, J. M., 19.6-72
Forbidden calcium lines
Grevesse, N. et al., 19.8-685
Forbidden lines
Weill, G. et al., 19.10-585
Forbidden (OI) lines
Mallia, E. A., 19.12-627
Forbush cosmic ray decreases
Kane, R. P., 19.2-431
Rao, U. R. et al., 19.2-438
Sandstroem, A. E. et al., 19.12-523
Stensland, B., 19.12-525
Forbush cosmic ray effects
Gopasiuk, S. I. et al., 19.3-424
Dorman, L. I. et al., 19.3-443
Forbush decrease
Kane, R. P., 19.2-431
Forced convection
Elder, J. W., 19.10-233
Forecast accuracy
Roberts, C. F. et al., 19.6-183
Forecast aids
Kress, C., 19.11-173
Higgins, B. J., 19.11-325
Forecast errors
Tyner, R. V., 19.7-189
Forecast evaluation
Murphy, A. H. et al., 19.2-120
Sanders, F., 19.2-121
Roberts, C. F. et al., 19.6-183; 19.7-188
Tyner, R. V., 19.7-189
Forecast improvement
Roberts, C. F. et al., 19.6-183
U. S. Lake Survey, 19.9-214
Forecast probabilities
Curtiss, J. H., 19.3-128
Forecast usefulness
Gringorten, I. I., 19.2-118
Murphy, A. H. et al., 19.2-120
Forecast verification
Gringorten, I. I., 19.2-118
Murphy, A. H. et al., 19.2-120
Sanders, F., 19.2-121
Hughes, L. A., 19.6-182
Roberts, C. F. et al., 19.7-188
Wachter, H., 19.7-190
Zois, C., 19.7-191
Panofsky, H. A. et al., 19.10-1
Forecast verification programs
Galway, J. G., 19.11-205
Forecasting data requirements
Gandin, L. S., 19.9-130
Forecasting for ship routes
Haltiner, G. J. et al., 19.9-233
Forecasting for shipping
Moshenichenko, I. E., 19.4-163
Forecasting manuals
Miller, R. C., 19.2-25
Forecasting services
Brezhnev, V. V. et al., 19.3-127
ESSA World, Oct. 1967, 19.3-129
Uspenskii, B. D. et al., 19.5-142
Forecasting skill
Gringorten, I. I., 19.2-118
Kershner, A. M., 19.4-156
Forecasting skill calculations
Drogaitsev, D. A., 19.12-131
Forecasting studies
Moorman, T., Jr., 19.8-192
Theisen, R. J., 19.8-193
Steinhaus, H., 19.11-171
Forecasting Taiwan lows
U. S. Air Weather Serv. lst Weather Wing, 19.12-128
Forecasting techniques
Sawyer, J. S., 19.3-99
Seilkopf, H., 19.4-144
Lorenz, E. N., 19.7-175
White, R. M., 19.7-176
Davis, W. O. et al., 19.9-647
Gleeson, T. A., 19.11-177
Forecasting world weather programs
U. S. Off. of Fed. Coord. for Met. Serv. and Sup. Res., 19.9-63
Forest boundary movement
Dagon, R. R., 19.9-105
Forest damage
Hansbrough, J. R., 19.6-204
Forest ecology
Pears, N. V., 19.5-55
Shoulders, E., 19.6-75
Sukachev, V. et al., 19.7-74
Cole, N. H. A., 19.8-65
Brown, J. M. B., 19.9-106
Hurst, G. W., 19.9-107
Forest effects on frost occurrences
Hurst, G. W., 19.2-225
Forest effects on glaze
Raevskii, A. N., 19.2-278
Forest effects on hydrology
Czarnowski, M. S., 19.12-375
Forest effects on precipitation
Fedorov, S. F. et al., 19.1-306
Krecmer, V., 19.7-422
Czarnowski, M. S., 19.12-375
Forest effects on runoff
Mishon, V. M., 19.7-832
Czarnowski, M. S., 19.12-375
Forest effects on solar radiation
Schomaker, C. E., 19.7-314
Forest effects on stream flow
Figula, K., 19.7-827
Forest effects on temperature
Hurst, G. W., 19.2-225
Forest effects on wind speed
Allen, L. H., Jr., 19.3-227
Forest fire conditions
Taylor, D. F. et al., 19.9-108
Forest fire danger
Van Wagner, C. E., 19.10-59
Forest fire–soil moisture relationships
Wright, J. G., 19.10-60
Forest fire studies
Wright, J. G., 19.10-60
Forest hydrology
Kirwald, E., 19.2-261
International Symposium on Forest Hydrology, Pennsylvania State Univ., Aug. 29-Sept. 10, 1965, 19.5-18
Forest hydrology symposia
International Symposium on Forest Hydrology, Pennsylvania State Univ., Aug. 29-Sept. 10, 1965, 19.5-18
Forest influences on dew formation
Krecmer, V., 19.8-408
Forest influences on runoff
Figula, K., 19.7-827
Forest influences on snow accumulation
Izotov, V. F., 19.7-421
Forest microclimates
Sukachev, V. et al., 19.7-74
Fedorov, S. F., 19.8-107
Bednarek, A., 19.9-408
Forest microclimatology
Mukammal, E. I. et al., 19.1-325
Forest micrometeorology
Vezina, P. E., 19.3-358
McBean, G. A., 19.9-432

Forest productivity
Jaeger, H., 19.1-319
Forest radiation
Bagrova, G. M., 19.2-187
Forest radiation interception
Evans, G. C., 19.2-192
Whitmore, T. C., 19.2-208
Forest shelter belt effects on soil erosion
Adrianov, S. N., 19.3-237
Forest shelter belt planning
Kakushkin, V. N., 19.6-336
Forest snow pack
Pauliukevicius, G., 19.1-310
Forest soil moisture
Sudnitsyn, I. I., 19.12-822
Forest soil temperatures
Bednarek, A., 19.9-408
Forest temperatures
Florov, R. I. et al., 19.2-218
Forestry
Winkler, E., 19.6-76
Forestry technology
Avery, T. E., 19.10-58
Fossil floras
Donahue, J. G., 19.6-442
Fossil radiolaria
Hays, J. D. et al., 19.5-478
Four-level forecasting models
Popov, A. K. et al., 19.10-166
Fourier analysis
Posey, C. J., 19.12-74
Fourier analysis of tidal observations
Miyazaki, M., 19.11-742
Fourier-type transformation uses in oceanography
Baranov, G. I., 19.9-720
Fox Glacier
Gage, M., 19.12-777
Fragmentation of freezing droplets
Hobbs, P. V. et al., 19.12-328
Fragmentation of water drops
Dye, J. E. et al., 19.2-271
Hobbs, P. V. et al., 19.12-328
Fraunhofer line profiles
De Jager, C. et al., 19.8-681
Fraunhofer line shift
Salmon-Zade, R. Kh., 19.3-603
Fraunhofer lines
Banin, V. G. et al., 19.5-605
Houtgast, J., 19.9-715
Lambert, D. L. et al., 19.12-626
Frazil ice formation
Williams, G. P., 19.8-448
Free air turbulence
Kovrova, A. M., 19.11-392
Reiter, E. R. et al., 19.12-278
Free hydrogen ions in aerosols
Junge, C. et al., 19.7-225
Free oscillations in lakes
Shibaoka, Y., 19.5-748
Free shelf wave propagation
Buchwald, V. T. et al., 19.12-741
Free tidal oscillations
Pnueli, A. et al., 19.12-744
Free turbulence
Lettau, H. H., 19.10-247
Freezing effects on plants
Idle, D. B., 19.9-97
Freezing effects on soil
Atakanov, U. A., 19.5-237
Turbin, L. I. et al., 19.5-738
Freezing of insects
Tanno, K., 19.7-323
Freezing of rivers
Dmitrieva, N. G., 19.6-729; 19.9-825
Freezing of sea water
Weeks, W. F. et al., 19.12-766
Freezing of supercooled droplets
Brownscombe, J. L. et al., 19.4-341
Roulleau, M. et al., 19.4-389
Kuhns, I. E. et al., 19.8-416
Takeda, T., 19.12-333
Freezing of swamps
Chechkins, S. A., 19.4-272
Freezing of water droplets
Syono, S. et al., 19.3-275
Genadiev, N., 19.11-431
Freezing of water drops
Dye, J. E. et al., 19.2-271
Medaliev, Kh. Kh. et al., 19.7-380
Freezing point of water in soils
Williams, P. J., 19.8-367
Freezing processes of aqueous solutions
Parungo, F. P. et al., 19.5-288
Freezing soil
Fitzpatrick, E. A., 19.10-312
Williams, P. J., 19.10-315
Freezing soil observation
Tanuma, K., 19.9-413
Freezing soil water effects
Tanuma, K., 19.9-413
Freezing temperature of drops
Syono, S. et al., 19.3-275
Kuhns, I. E. et al., 19.8-416
Genadiev, N., 19.11-431
French nuclear weapon test, Polynesia
Gibbs, W. J. et al., 19.7-257
Fresh and salt water interface
Edgerton, H. E., 19.5-703
Fresnel reflection formulas
Roesch, S., 19.9-554
Fresnel zones
Crary, J. H. et al., 19.3-378
Freundlich-Forbes empirical constant
Gasanalizade, A. G., 19.5-603
Friction coefficient determination
Imasato, N., 19.3-233
Manabe, D. et al., 19.10-383, 384
Frictional effects
Kung, E. C., 19.10-239
Blackadar, A. K. et al., 19.10-368
Frictional electrification of ice
Magono, C. et al., 19.11-766
Frigorimeters
Taylor-Ellis, E. C., 19.3-97
Frolov, V. V.
Vangengeim, G. Ia. et al., 19.9-20
Leningrad. Arktich. i Antarktich. Nauchno- Issled. Inst., 19.9-74
Frontal analysis
Molosnova, T. I., 19.2-182
Creswick, W. S., 19.2-184
Buschner, W., 19.6-280
Hovey, W. et al., 19.6-281
Rider, G. C. et al., 19.9-144
Kliucharev, S. S., 19.9-351
Frontal clouds
Reshetov, G. D., 19.6-283
Lobanova, V. Ia., 19.7-391
Tsuchiya, K. et al., 19.8-425
Frontal cyclogenesis
Krishnamurti, T. N., 19.9-328
Dahler, H., 19.12-167
Frontal cyclone development
Krishnamurti, T. N., 19.9-306
Frontal density changes
Lowenthal, M. J., 19.3-136
Frontal effects on mortality
Driscoll, D. M. et al., 19.8-66
Frontal frequencies
Yoshino, M. M., 19.1-197
Frontal hail
Brown, R. M., 19.6-427
Frontal jet stream
Dahler, H., 19.12-167
Frontal models
Orlanski, I., 19.7-296
Frontal passage effects on radioactivity
Manolov, L. et al., 19.1-166
Frontal precipitation
Maiorskaia, S. V. et al., 19.2-181
Frontal structure
Sanders, F., 19.2-19
Frontal theory
Watts, A., 19.9-41
Frontal thunderstorms
Bodolai, I. et al., 19.2-180
Frontal waves
Orlanski, I., 19.7-296
Frontal zone dew points
Samoilov, A. I., 19.4-310
Frontogenesis
Sanders, F., 19.2-19

Williams, R. T., 19.2-183
Kool', L. V., 19.3-200
Charney, J. G., 19.7-168
Williams, R. T. et al., 19.7-297
Frontogenesis–radiational regime relationships
Moeller, F., 19.12-218
Frost
Hurst, G. W., 19.6-311
Wales. Univ. College, Aberystwyth, 19.9-26
Frost action
Tanuma, K., 19.9-413
Taylor, J. A., 19.10-306
Frost classification
Hogg, W. H., 19.10-305
Frost damage
Hurst, G. W., 19.6-311
Umeda, S., 19.7-324
Wales. Univ. College, Aberystwyth, 19.9-26
Frost damage mechanism
Sakai, A., 19.7-322
Frost damage to forests
Brown, J. M. B., 19.9-106
Hurst, G. W., 19.9-107
Frost damage to fruit
Jennings, D. L. et al., 19.9-104
Frost damage to plants
Sakai, A., 19.7-322
Yoshida, S. et al., 19.7-325
Sakai, A. et al., 19.8-352
Grainger, J., 19.9-96
Idle, D. B., 19.9-97
Hunt, K. E., 19.9-398
Taylor, J. A., 19.10-306
Frost damage to rice
Umeda, S., 19.7-324
Frost damage to trees
Brown, J. M. B., 19.9-106
Hurst, G. W., 19.9-107
Frost damage to wheat
Lichikaki, V. M. et al., 19.2-226
Frost effects on plants
Hogg, W. H., 19.10-305
Frost effects on soil
Bisal, F. et al., 19.6-310
Cailleux, A., 19.6-338
Low, P. F. et al., 19.7-334
Kaplina, T. N., 19.8-350
Tanuma, K., 19.9-413
Penner, E., 19.11-374
Frost effects on soil movement
Schumm, S. A., 19.5-742
Frost forecasting
Chistiakova, E. A., 19.4-149
Frost formation
Landers, J. N. et al., 19.7-200
Grainger, J., 19.9-96
Hurst, G. W., 19.9-107
Frost free period
Hurst, G. W., 19.2-225
Frost frequencies
Hogg, W. H., 19.10-305
Frost heaving
Portz, H. L., 19.1-53
Fitzpatrick, E. A., 19.10-312
Koyama, M. et al., 19.11-219
Kinoshita, S., 19.11-372
Uhlmann, D. R., 19.11-375
Yong, R. N., 19.11-376
Frost heaving effects on soil
Penner, E., 19.10-313
Frost heaving recorders
Kinoshita, S., 19.11-372
Frost hollows
Smith, K., 19.6-309
Longley, R. W. et al., 19.10-469
Frost penetration in soil
Bauer, A. F., 19.2-229
Frost prevention
Wales. Univ. College, Aberystwyth, 19.9-26
Frost prevention by irrigation
Landers, J. N. et al., 19.7-200
Frost probability
Green, C. R. et al., 19.5-229
Frost protection
Hunt, K. E., 19.9-398
Taylor, J. A., 19.10-306
Frost protection methods
Bochkovskaia, I. I. et al., 19.2-124
Frost protection of roads
Koyama, M. et al., 19.11-219
Penner, E., 19.11-220
Frost resistance of plants
Sakai, A., 19.7-322
Yoshida, S. et al., 19.7-468
Jenkins, G., 19.9-98
Jennings, D. L. et al., 19.9-104
Frost variations
Hurst, G. W., 19.9-107
Frost warning services
Norton, J. S., 19.4-157
Frost warnings
Schindler, G., 19.1-104
Frost weathering
Aristov, I. F., 19.5-739
Cailleux, A., 19.6-338
Frozen soil instruments
Sartz, R. S., 19.5-238
Williams, P. J., 19.9-178
Frozen soil measurements
Sartz, R. S., 19.5-238
Frozen soil properties
Fukuo, Y. et al., 19.3-221
Low, P. F. et al., 19.4-772; 19.10-799
Frozen soil research
Williams, P. J., 19.8-366, 367; 19.8-800
Frozen soil strength
Yong, R. N., 19.11-376
Fruit culture ecology
Jennings, D. L. et al., 19.9-104
Funnel clouds
Overs, J. E., 19.8-427

G

GARP, *see* Global Atmospheric Research Program
GHOST, *see* Global Horizontal Sounding Techniques
GOES, *see* Geostationary Operational Environmental Satellite
Galactic cosmic rays
Subramanian, G. et al., 19.3-442
Teegarden, B. J., 19.3-444
Nestorov, G., 19.4-477
Schardt, A. W. et al., 19.6-517
Galactic electrons
Annand, K. C. et al., 19.5-550
Galactic structure
Yates, K. W., 19.11-621
Galaxy formation
Silk, J., 19.8-694
Gale frequencies
Rak, J., 19.10-366
Streten, N. A., 19.10-367
Gales
Harris, R. I., 19.11-385
Gallium abundance in the Sun
Khromova, T. P., 19.10-695
Gamma radiation field measurements
Chuikin, E. I. et al., 19.4-480; 19.5-445
Gamma radiation from Moon
Vinogradov, A. P. et al., 19.1-482; 19.6-592; 19.9-676
Gamma ray astronomy
Fichtel, C. E., 19.8-646
Gamma ray energy spectrum
Perola, G. C. et al., 19.3-435
Gamma ray fluxes
Perola, G. C. et al., 19.3-435
Gamma ray measurements
Fichtel, C. E., 19.8-646
Gamma ray production
Stecker, F. W. et al., 19.6-526
Fichtel, C. E., 19.8-646
Stecker, F. W., 19.10-670, 671
Gamma ray soil density probes
Kuehn, W., 19.8-757
Gamma ray spectra
Stecker, F. W., 19.10-670, 671
Gamma ray spectra analysis
Gasparini, P. et al., 19.9-298
Gamma ray spectrometry
Frank, A. L., 19.2-426
Gas cloud dynamics
Middlehurst, B. M. et al., 19.8-25
Gas dynamics
Ahtye, W. F., 19.12-166
Gas exchange measurement instruments
Ross, Iu. et al., 19.10-57

Gas in icebergs
Matsuo, S. et al., 19.5-719
Gas in lake ice
Matsuo, S. et al., 19.5-719
Gas properties
Ahtye, W. F., 19.12-166
"Gascoyne" cruises
Australia. Commonwealth Scientific and Industrial Res. Organ., Div. of Fisheries and Oceanog., 19.2-519; 19.9-736, 737, 738
Gaseous pollutants
Tebbens, B. D., 19.8-238
Gaseous spectra
Cruikshank, D. P., 19.5-559
Gases in glaciers
Matsuo, S. et al., 19.5-719
Gases in sea ice
Matsuo, S. et al., 19.5-719
Gemini photographs
Lowman, P. D., Jr., 19.6-554
Underwood, R. W., 19.6-556
Gemini Program
Ballentine, W. A., 19.6-62
Grigor'ev, Iu. G. et al., 19.7-50
Warren, C. S. et al., 19.7-52
Gemini space flights
U. S. National Aeronautics and Space Admin., 19.1-9
General circulation
Burlutskii, R. F. et al., 19.2-2
Hare, F. K., 19.6-250
Serra, A. B., 19.11-339
General circulation applied to forecasting
Vorob'eva, E. V. et al., 19.2-116
Smagorinsky, J. et al., 19.3-122
Mepistsveridze, E. I., 19.5-155
General circulation energetics
Dutton, J. A. et al., 19.1-171
Pfeffer, R. L. et al., 19.2-169
Fritz, S. et al., 19.3-81
Gambo, K., 19.3-175
Manabe, S., 19.3-178
Vernekar, A. D., 19.3-181
Raethjen, P., 19.6-256
Van Mieghem, J., 19.8-294
Ramage, C. S., 19.10-251
General circulation index
Bogdanov, M. A., 19.3-44
General circulation models
Fal'kovich, A. I., 19.1-184
Smagorinsky, J. et al., 19.3-122
Corby, G. A. et al., 19.3-171
Davies, D. R. et al., 19.3-172
Huss, A., 19.3-176
Garcia, R. V., 19.6-50
General circulation studies
Lally, V. E., 19.9-165
General circulation theory
Blinova, E. N., 19.10-177
General circulation variations
Shumilov, N. A., 19.1-581
Scherhag, R., 19.3-168
Von Rudloff, H., 19.7-275
Geocentric velocity of meteorites
Radzievskii, V. V., 19.11-664
Geochemical methods
Picciotto, E. E., 19.7-434
Geochemical systems
Bruevich, S. V. et al., 19.7-749
Geochemistry
Josephs, M. et al., 19.6-25
Geochemistry of marine sediments
Vinogradov, A. P., 19.6-19
Geochemistry of water
Durum, W. H. et al., 19.4-739
Maddocks, G. E., 19.6-748
Geodetic measurement errors
Botez, M. P. et al., 19.9-384
Geodetic measurements from satellites
Guier, W. H., 19.5-111
Newton, R. R., 19.5-536
Williams, O. W., 19.5-537
Geoelectric investigations
Intl. Radio Consultative Comm., 19.12-51
Geographical to geomagnetic coordinate transformation
Gregori, G. P. et al., 19.11-562
Geography bibliographies
McColl, R. W., 19.10-45
Geography of Chung-Ho Hsiang, Formosa
Wang, H. W., 19.4-371
Geography of Indo-Pakistan
Spate, O. H. K. et al., 19.10-9
Geohydrology
Anan'ev, G. S., 19.8-781
Geological climates
Sinitsyn, V. M., 19.9-12
Geological data processing
Canada. National Advisory Committee on Research in the Geological Sciences, 19.4-23
Miesch, A. T., 19.5-31
Geological dating methods
Benedict, J. B., 19.4-738
Jochimsen, M., 19.5-732
Geological dictionaries
Nelson, A. et al., 19.3-34
Geological research
U. S. Geological Survey, 19.3-5
Miesch, A. T., 19.5-31
U. S. Geol. Survey, 19.11-44, 56
Bjoernsson, S., 19.12-23
Geology
Mather, K. F., 19.6-31
Geology bibliographies
Fox, P. J., 19.4-26
Geomagnetic activity
Houtgast, J. et al., 19.3-447
Jacobs, J. A. et al., 19.3-492
Oermenyi, I., 19.5-456
Jacobs, J. A. et al., 19.8-578
Voelker, H., 19.11-582
Geomagnetic activity–auroral absorption relationships
Hargreaves, J. K. et al., 19.3-406
Geomagnetic activity indexes
Fanselau, G., 19.7-604
Schmidt, H., 19.7-605
Mayaud, P. N., 19.12-540
Piddington, J. H., 19.12-541
Geomagnetic activity–spread F relationships
Jagath Kumar, V. R. et al., 19.5-504
Geomagnetic anomalies
Murphy, B. L. et al., 19.8-571
Malin, S. R. C. et al., 19.11-569
Gnilko, M. K. et al., 19.12-529
Geomagnetic bay formation
Akasofu, S. I. et al., 19.6-534
Geomagnetic bays
Ondoh, T. et al., 19.3-474
Litinskii, V. M., 19.7-597
Geomagnetic bays–auroral absorption relationships
Driatskii, V. M. et al., 19.2-349
Geomagnetic bays–ionospheric relationships
Sano, Y. et al., 19.3-475
Geomagnetic calculations
Gupta, B. R. D., 19.3-470
Geomagnetic coordinates
Campbell, W. H. et al., 19.1-428
Kavanagh, L. D., Jr., 19.4-533
Geomagnetic crochet
Pinter, S., 19.3-473; 19.4-514
Pinter, S. et al., 19.6-533
Geomagnetic data
World Data Center A/for/ Airglow, Ionosphere, Aurora, Cosmic Rays, Geomagnetism /and/ Solar Activity, ESSA, Boulder, Colo., 19.2-82
Belgium, Institut Royal Meteorologique, 19.5-459
Spain. Inst. Geog. y Catastral, Madrid, 19.10-24
Geomagnetic data analysis
Heuring, F. T. et al., 19.7-594
Atanasiu, G. et al., 19.10-609
Geomagnetic disturbance causes
Zolotov, A. V., 19.2-453
Thomas, G. E. et al., 19.8-260
Geomagnetic disturbance diurnal distribution
Nikol'skii, A. P., 19.3-472

Geomagnetic disturbance effects
  Sauer, H. H., 19.9-602
Geomagnetic disturbance effects on ionosphere
  Sano, Y. et al., 19.3-475
Geomagnetic disturbance effects on plasmasphere
  Taylor, H. A., Jr. et al., 19.7-592
Geomagnetic disturbance singularities
  Halenka, J., 19.9-636
Geomagnetic disturbances
  Miliaev, N. A., 19.2-452
  Matsushita, S., 19.11-567
  Parker, E. N., 19.11-591
Geomagnetic disturbances due to solar corpuscules
  Nikol'skii, A. P., 19.3-472
Geomagnetic disturbances in polar regions
  Vereshchagin, Iu. P., 19.3-459
  Matsushita, S., 19.11-570
Geomagnetic drift
  Cain, J. C. et al., 19.9-18
Geomagnetic effects on auroras
  Krasovskii, V. I., 19.9-616
Geomagnetic effects on cosmic rays
  Quenby, J. J., 19.4-497
  Gall, R. et al., 19.7-571
Geomagnetic effects on ionosphere
  Vasil'ev, K. N., 19.1-390
  Rybin, V. V., 19.8-390
Geomagnetic effects on meteorological conditions
  Harrison, C. G. A., 19.5-481
Geomagnetic effects on pulsations
  Hirasawa, T. et al., 19.3-480
Geomagnetic effects on radiation belts
  Kavanagh, L. D., Jr., 19.3-195
Geomagnetic effects on radio wave propagation
  Baibulatov, R. B. et al., 19.1-427
  Baron, M. et al., 19.2-61
  Kopka, H. et al., 19.5-412
  Gautier, D., 19.11-560
Geomagnetic effects on radiocarbon
  Ramaty, R., 19.3-152
Geomagnetic effects on satellites
  Degtiaerev, V. G., 19.5-108
Geomagnetic field analysis
  Ness, N. F., 19.1-92
  Lugovenko, V. N., 19.1-429
  Afraimovich, E. B. et al., 19.2-442
  Bazarzhapov, A. D. et al., 19.2-443
  Kahle, A. B. et al., 19.2-444
  Portnova, V. P. et al., 19.2-449
  Winch, D. E., 19.2-451
  Mishin, V. M. et al., 19.3-448
  Tiurmina, L. O. et al., 19.7-583
  Frank, F. C. et al., 19.7-584
  McDonald, K. L. et al., 19.8-569
Geomagnetic field anomalies
  Lugovenko, V. N., 19.1-429
  Galkin, R. M., 19.5-466
  Ivanov, M. M., 19.6-528
  Bassinger, B. G., 19.7-582
Geomagnetic field at high altitudes
  Ogawa, T., 19.1-454
  Zmuda, A. J. et al., 19.7-593
  Heuring, F. T. et al., 19.7-594
Geomagnetic field calculations
  Lemberger, M., 19.2-445
  Kilczer, G., 19.6-531
  Dizioglu, M. Y., 19.7-586
Geomagnetic field charts
  Campbell, W. H. et al., 19.1-428
  Riddihough, R. P., 19.3-464
  Burrows, A. L., 19.5-507
  Hargreaves, J. K., 19.6-529
Geomagnetic field components
  Bobrov, V. N. et al., 19.7-581
Geomagnetic field determination
  Garnier, M., 19.4-506
Geomagnetic field drift
  Zolotov, I. G., 19.3-455
  Liakhov, B. M., 19.5-482
  Pudovkin, I. M. et al., 19.5-483
  Stewartson, K., 19.6-532
Geomagnetic field fluctuations
  Fel'dshtein, Ia. I. et al., 19.10-611
Geomagnetic field intensities
  Zmuda, A. J. et al., 19.7-593
  Heuring, F. T. et al., 19.7-594
Geomagnetic field intensity variations
  Davidson, M. J. et al., 19.8-574
Geomagnetic field measurement techniques
  Haser, L., 19.2-330
Geomagnetic field models
  Dungey, J. W., 19.1-430
  Garnier, M., 19.4-506
  Kropachev, E. P. et al., 19.5-470
  Alldredge, L. R. et al., 19.6-538
  Lindstrom, P. J. et al., 19.10-610
Geomagnetic field potential
  Winch, D. E. et al., 19.3-450
  Kilczer, G., 19.6-531
Geomagnetic field reversals
  Wilson, R. L., 19.3-454
  Hays, J. D. et al., 19.5-478
  Black, D. I., 19.5-480
  Harrison, C. G. A., 19.5-481
  Waddington, C. J., 19.5-484
  Emiliani, C., 19.7-767
  Opdyke, N. D. et al., 19.8-570
Geomagnetic field theories
  Roberts, P. H., 19.4-510
  Liakhov, B. M., 19.5-482
  Malkus, W. V. R., 19.11-564
Geomagnetic fluctuations
  Smith, E. J. et al., 19.3-458
  Gogatishvili, Ia. M., 19.7-599
  Nishida, A., 19.7-617
Geomagnetic fluctuations–Earth's oscillations relationships
  Hirshberg, J. et al., 19.8-575
Geomagnetic fluctuations spectrum
  Heirtzler, J. et al., 19.12-532
Geomagnetic index–upper air temperature relationships
  Palm, A., 19.3-217
Geomagnetic influences on radioelectric wave propagation
  Sauer, H. H., 19.9-602
Geomagnetic instruments
  Alldredge, L. R., 19.10-608
Geomagnetic–ionospheric relationships
  Zolotov, A. V., 19.2-453
  Srivastava, B. J., 19.3-491
  Zaguliaeva, V. A. et al., 19.8-538
  Shirke, J. S. et al., 19.10-555
  Matsushita, S., 19.11-570
  Cole, K. D., 19.11-583
Geomagnetic loop
  Starkov, G. V. et al., 19.10-637
Geomagnetic micropulsation data analysis
  Heacock, R. R. et al., 19.5-496
  Stuart, W. F., 19.7-606
Geomagnetic micropulsation measurements
  Giorgi, M. et al., 19.9-629
Geomagnetic micropulsation propagation
  Manchester, R. N., 19.10-618
  Rostoker, G., 19.10-620
  Baranskii, L. N., 19.11-574
Geomagnetic micropulsation properties
  Schlich, R., 19.4-519
Geomagnetic micropulsation theories
  Liatskii, V. B., 19.3-481
  Briunelli, B. E. et al., 19.4-516
  Shapiro, R., 19.4-523
  Heacock, R. R. et al., 19.5-496

Annexstad, J. O. et al., 19.7-598
Stuart, W. F., 19.7-606
Kimura, I. et al., 19.8-585
Troitskaia, V. A., 19.8-590
Patel, V. L., 19.11-580
Prikner, K., 19.11-581

Geomagnetic micropulsations
Gendrin, R., 19.1-373
Sedova, F. I., 19.3-483
Wilson, C. R. et al., 19.3-486
Annexstad, J. O., 19.4-515
Raspopov, O. M. et al., 19.5-497, 498
Fraser, B. J., 19.6-536
Coroniti, F. V. et al., 19.7-620
Zybin, K. Iu., 19.8-577
Jacobs, J. A. et al., 19.8-578
Knaflich, H. B. et al., 19.8-586
Troitskaia, V. A., 19.8-590
Troitskaia, V. A. et al., 19.9-640
Paulson, K. V., 19.10-619
Veroe, J., 19.11-572
Annexstad, J. O. et al., 19.11-573
Campbell, W. H., 19.11-575
De Miguel, L., 19.11-576
Fanselau, G., 19.11-577
Gendrin, R. et al., 19.11-578
Jacobs, J. A., 19.11-579
Kitamura, T., 19.11-589
Jacobs, J. A. et al., 19.12-533
Kobubun, S., 19.12-534
Nagata, T. et al., 19.12-535

Geomagnetic micropulsations–lunar phase relationships
Shchepetnov, R. V., 19.5-499

Geomagnetic micropulsations–X-ray relationships
Brown, R. R. et al., 19.5-433

Geomagnetic normal field
Atanasiu, G. et al., 19.10-609

Geomagnetic observations
Cook, A. B. et al., 19.5-506

Geomagnetic periodicities
Kertz, W., 19.2-454

Geomagnetic polarity epochs
Baksi, A. K. et al., 19.5-477

Geomagnetic pole drift
McDonald, K. L. et al., 19.8-569

Geomagnetic poles
Winch, D. E. et al., 19.3-450

Geomagnetic pulsation analysis
Hirasawa, T. et al., 19.3-480
Finlayson, D. M., 19.6-535
Voelker, H., 19.11-582

Geomagnetic pulsation structure
Fanselau, G., 19.3-477

Geomagnetic pulsations
Wilhelm, K., 19.3-485
Heirtzler, J. R., 19.4-517
Saito, T. et al., 19.4-518
Schlich, R. et al., 19.4-520
Eleman, F., 19.5-495
Campbell, W. H., 19.11-575

Geomagnetic research
Cain, J. C., 19.4-504
Heirtzler, J. R., 19.4-517
Geomagnetizm i Aeronomiia, Moscow, 1967, 19.5-454
Canon, Amaro, C., 19.11-524

Geomagnetic reversals
Glass, B., 19.4-583

Geomagnetic–solar relationships
Ochabova, P., 19.9-631

Geomagnetic soundings
Caner, B. et al., 19.5-509

Geomagnetic Sq field variations
Matsushita, S., 19.10-616
Ochabova, P., 19.10-617

Geomagnetic Sq variations
Wagner, C. U., 19.8-573

Geomagnetic stations
Alldredge, L. R., 19.10-608

Geomagnetic storm, Oct. 7, 1962
Zelwer, R. et al., 19.1-425

Geomagnetic storm, April 17-18, 1965
Meng, C. I. et al., 19.5-501

Geomagnetic storm effects
Takao, K. et al., 19.12-537

Geomagnetic storm effects on cosmic rays
Fillius, R. W. et al., 19.5-486

Geomagnetic storm effects on ionosphere
Hibberd, F. H. et al., 19.2-359
Sorenson, W. R., 19.4-451
Rajaram, G. et al., 19.7-530
Bauer, S. J. et al., 19.10-514
Gloede, P. et al., 19.10-524

Geomagnetic storm effects on micropulsations
Gendrin, R., 19.6-549

Geomagnetic storm frequencies
Berishvili, G. P., 19.7-607

Geomagnetic storm–ring current relationships
Sugiura, M., 19.12-536

Geomagnetic storm–solar relationships
Kawabata, K. A., 19.3-525
Bednarova-Novakova, B., 19.9-632

Geomagnetic storm theories
Nikol'skii, A. P., 19.7-609
Akasofu, S. I., 19.11-584
Piddington, J. H., 19.11-586

Geomagnetic storms
Chapman, S., 19.4-546
Ivanov, K. G. et al., 19.8-582
Sedova, F. I., 19.9-633
Matsushita, S., 19.11-567

Geomagnetic storms–ionospheric perturbation relationships
Jean, A. G., 19.9-589

Geomagnetic storms–ionospheric relationships
King, J. W. et al., 19.2-364
Jones, K. L., 19.4-425
Jean, A. G. et al., 19.6-487

Geomagnetic storms–short period fluctuation relationships
Gogatishvili, Ia. M., 19.7-599

Geomagnetic storms–upper air temperature relationships
Roemer, M., 19.5-502

Geomagnetic studies
Danilov, A. A., 19.3-536

Geomagnetic surveys
Posgay, K., 19.3-6

Geomagnetic tail structure
Mihalov, J. D. et al., 19.7-580

Geomagnetic theories
Braginskii, S. I., 19.5-474
Stewartson, K., 19.6-532
Frank, F. C. et al., 19.7-584
Braginskii, S. I., 19.7-589

Geomagnetic time
Hargreaves, J. K., 19.6-529

Geomagnetic time definitions
Berthelier, J. et al., 19.3-451

Geomagnetic variation theories
Allan, D. W. et al., 19.5-473

Geomagnetic variations
Kertz, W., 19.2-454
Iaremenko, L. N., 19.3-460
Sugiura, M., 19.5-489
Sedova, F. I., 19.9-633
Vestine, E. H., 19.10-613
Veroe, J., 19.11-572

Geomagnetic variations–interplanetary magnetic field variations relationships
Schatten, K. H. et al., 19.5-505
Rostoker, G. et al., 19.11-568; 19.12-526

Geomagnetic variations–synoptic conditions relationships
Orban, L. et al., 19.7-284

Geomagnetic–whistler relationships
Somayajulu, V. V. et al., 19.11-522

Geomagnetic yearbooks
Belgium. Institut Royal Meteorologique, 19.5-459
Spain. Inst. Geog. y Catastral, Madrid, 19.10-24

Geomagnetically trapped particles
Krimigis, S. M. et al., 19.5-510
Gall, R. et al., 19.7-585

Geomagnetism
Siebert, M., 19.9-634
Chapman, S. et al., 19.9-639
Matsushita, S. et al., 19.10-21
Chapman, S., 19.10-39

Geomagnetism bibliographies
Japan. Science Council. National Committee for Geodesy and Geophysics, 19.5-36
Geomagnetosphere investigations
Fel'dshtein, Ia. I. et al., 19.10-611
Geomorphology
Raikes, R., 19.6-14
Geomorphology of arid lands
Hills, E. S., 19.11-501
Geophysical Alerts
Shapley, A. H., 19.9-158
Internat. Yrs. of the Quiet Sun, 1964-1965, 19.9-407
Geophysical conferences
Johns Hopkins Univ., Baltimore, Center for Research in Scientific Communication, 19.4-21
King, J. W. et al., 19.8-20
Geophysical data analysis
Manzoni, G., 19.3-445; 19.10-600
Geophysical data processing
Ross, D. I., 19.9-72
Geophysical dictionaries
International dictionary of geophysics, 19.4-2
Geophysical fluid dynamics
Pfeffer, R. L., 19.12-176
Geophysical mathematical models
Hyacinthe, J. L., 19.6-690, 691
Geophysical research
Canadian Geophysical Bulletin, Ottawa, Dec. 1966, 19.2-36
National Research Council, Wash., D.C. U. S. National Committee, 19.2-38
Bjoernsson, S., 19.12-23
Geophysics bibliographies
Akademiia Nauk SSSR. Mezhduvedomstvennyi Geofizicheskii Komitet, 19.3-32
Hattersley-Smith, G., 19.10-44
Geophysics research
Canadian Geophy. Bull., Ottawa, Vol. 20, 1967-68, 19.9-76
Geophysics yearbooks
France. Bureau des Longitudes, 19.6-37
Observatories' Yearbook, 1964, 19.10-25
Geopotential forecasting
Kim, V. F., 19.12-118
Geopotential forecasting techniques
Popov, A. K. et al., 19.10-166
Geopotential height
Allan, R. R. et al., 19.11-304
Geopotential height calculations
Vaisala News, Helsinki, 1967, 19.6-240
Geopotential height variations
Kagawa, H. et al., 19.8-166
Uranova, L. A., 19.8-357
Geopotential variations
Gazzola, A. et al., 19.9-312
Geostationary Operational Environmental Satellite (GOES)
Telcom, Inc., McLean, Va., 19.11-607
Geostrophic equilibrium
Stephens, J. J., 19.7-266
Geotectonics
Smirnov, Ia. B., 19.12-737
Geothermal anomalies
McKenzie, D. P., 19.5-688
Geothermal energy
Smirnov, Ia. B., 19.12-737
Geothermal energy utilization
Bodvarsson, G., 19.6-83
Geothermal heat flow
Verma, R. K. et al., 19.10-603
Cermak, V., 19.12-735
Smirnov, Ia. B., 19.12-737
Geothermal heat flow measurement techniques
Bespalov, D. P., 19.8-113
Kaganov, M. A. et al., 19.8-115
Geothermal investigations
Cartwright, K., 19.7-819
Tozer, D. C., 19.12-738
Geothermy
Frolov, N. M., 19.12-12
German participation in IQSY
IQSY 1964/1965..., IQSY, 4th Assembly, 1967, 19.10-109
Giant magnetic pulsations
Eleman, F., 19.5-495
Giant nuclei
Tanaka, M., 19.3-277
Nelson, R. T. et al., 19.11-435
Giant red stars
Arnould, M., 19.12-659
Giant stars
Boehm, E., 19.5-608
Glacial ablation
Adams, W. P., 19.1-583
Tsomaia, V. Sh., 19.2-587
Kraus, H., 19.3-672
Hoinkes, H. et al., 19.5-210
Schoenbaechler, M., 19.5-213
Golovkova, R. G. et al., 19.6-718
Khonin, R. V., 19.6-720
Schytt, V., 19.6-721
Makarevich, K. G. et al., 19.8-753
Shabanov, P. F., 19.8-754
Konovalov, V. G., 19.12-772
Shchetinnikov, A. S., 19.12-775
Glacial ablation measurement techniques
Shchetinnikov, A. S., 19.12-775
Glacial advances
Mercer, J. H., 19.4-373
Benedict, J. B., 19.7-766
Gage, M., 19.12-777
Glacial chronology
Denton, G. H. et al., 19.4-735
Glacial climatic episodes
Mercer, J. H., 19.4-373
Glacial climatology
Manley, G., 19.3-674
Glacial deposit investigation techniques
Benedict, J. B., 19.4-738
Glacial deposits
Curry, R. R., 19.2-590
Dort, W., Jr., 19.2-591
Poole, E. G., 19.2-592
Benedict, J. B., 19.7-766
Bigarella, J. J. et al., 19.7-768
Glacial drainage channels
Stenborg, T., 19.9-806
Glacial dynamics
Gluck, S., 19.5-714
Glacial features of continental shelves
Flinn, D., 19.1-584
Glacial–geological investigations
Souchez, R. A., 19.8-752
Glacial geology
Derbyshire, E., 19.1-580
Frakes, L. A. et al., 19.10-777
Glacial geomorphology
Flinn, D., 19.1-584
Glacial morphological observations
Jochimsen, M., 19.5-732
Glacial morphology
Frakes, L. A. et al., 19.2-586
Gluck, S., 19.5-714
Suslov, V. F., 19.5-733
Broecker, W. S., 19.5-734
Bigarella, J. J. et al., 19.7-768
Glacial period theories
Fletcher, J. O., 19.11-333
Cox, A., 19.11-488
Damon, P. E., 19.11-489
Donn, W. L. et al., 19.11-490
Eriksson, E., 19.12-431
Glacial periods
Aseev, A. A., 19.5-735
Serebriannyi, L. R., 19.5-737
Didenko-Kilitsina, L. K., 19.6-715
Emiliani, C., 19.7-767
Hoppe, G., 19.9-807
Glacial runoff
Adams, W. P., 19.1-583
Lang, H., 19.5-336
Khonin, R. V., 19.6-720

Pal'gov, N. N., 19.7-770
Makarevich, K. G. et al., 19.8-753
Shabanov, P. F., 19.8-754
Gerasimov, V. A., 19.10-456
Glacial structure
Gluck, S., 19.5-714
Glaciation in Central Asiatic U.S.S.R.
Kamalov, B. A. et al., 19.12-770
Glaciation in Europe
Aseev, A. A., 19.5-735
Glaciation in Iceland
Hoppe, G., 19.9-807
Glaciation in mountainous regions
Avsiuk, G. A. et al., 19.11-774
Glaciation in Northern Hemisphere
Tushinskii, G. K., 19.3-320
Glaciation in U.S.S.R.
Avsiuk, G. A. et al., 19.11-774
Glaciation of Altai Mts.
Ivanovskii, L. N., 19.8-458
Glaciation of Baffin Island, N.W.T., Canada
Loeken, O. H., 19.5-736
Glaciation of Belaya Berel River Basin, Tien Shan Mts.
Khonin, R. V., 19.6-716
Glaciation of Dzungarian Ala-Tau Mts.
Didenko-Kilitsina, L. K., 19.6-715
Glaciation on Russian Plain
Serebriannyi, L. R., 19.5-737
Glacier classification
Watanabe, O. et al., 19.9-804
Glacier climates
Leningrad Univ., 19.11-20
Glacier dating
Benedict, J. B., 19.7-766
Crozaz, G., 19.10-773
Glacier distribution
Flinn, D., 19.1-584
Glacier drilling techniques
Aamot, H. W. C., 19.4-717
Glacier effects on water resources
Glenn, J. W., 19.10-29
Glacier fed rivers
Kamalov, B. A., 19.4-365
Makarevich, K. G. et al., 19.8-753
Glacier flow
Merlivat, L. et al., 19.3-673
Glacier flow theories
Nye, J. F., 19.4-734
Tiulina, T. Iu., 19.5-717
Shumskii, P. A., 19.11-779
Vialov, S. S., 19.11-780
Glacier fluctuations
Hoinkes, H., 19.5-343
Kanaev, L. A. et al., 19.12-776
Glacier hydrology
Bender, J. A., 19.4-350
Meier, M. F., 19.4-351
Leningrad Univ., 19.11-20
Glacier ice studies
Higashi, A., 19.11-759
Glacier melting
Kamalov, B. A., 19.12-773
Radd, F. J. et al., 19.12-774
Glacier mills
Stenborg, T., 19.9-806
Glacier movement
Reed, J. C., Jr., 19.1-582
Frakes, L. A. et al., 19.2-586
Knizhnikov, Iu. F., 19.5-712
Theakstone, W. H., 19.5-718
Johnson, J. N., 19.7-771
Tsomaia, V. Sh., 19.11-778
Glacier movement measurement techniques
Kruchinin, Iu. A., 19.3-666, 667
Knizhnikov, Iu. F., 19.5-712
Glacier movement theories
Lliboutry, L., 19.7-772
Glacier regimes
Tollner, H., 19.3-670
Konovalov, V. G., 19.12-772
Glacier regression
Davitaia, F. F., 19.5-169
Glacier research
Field, W. O. et al., 19.4-728
LaChapelle, E. R., 19.4-729
Watanabe, O. et al., 19.9-804
Glacier retreat
Bryson, R. A. et al., 19.8-751
Glacier runoff
Kamalov, B. A., 19.4-365
Glacier studies
Gellert, J. F., 19.3-669
Meier, M. F., 19.4-351
Schytt, V., 19.4-730
Glacier temperatures
Vilesov, E. N., 19.6-719
Glacier thickness
Reed, J. C., Jr., 19.1-582
Cherkasov, P. A., 19.6-717
Glacier thickness calculations
Pal'gov, N. N., 19.7-770
Glacier thickness measurement techniques
Roethlisberger, H., 19.4-720, 721
Voegtli, K., 19.4-722
Glacier variations
Dightman, R. A., 19.3-355
Tollner, H., 19.3-670
Denton, G. H. et al., 19.4-735
Benedict, J. B., 19.7-766
Hoinkes, H. C., 19.7-773
Kanaev, L. A. et al., 19.12-776
Glacier velocities
Shumskii, P. A., 19.11-779
Glacier velocity calculations
Tsomaia, V. Sh., 19.11-778
Glaciers of the Antarctic
Mercer, J., 19.5-716
Glaciological expeditions
Gellert, J. F., 19.3-669
Glaciological investigations
Intl. Geophysical Year, 1957/1958, 19.12-22
Glaciological maps
Derbyshire, E., 19.1-580
Glaze damage to plants
Freyman, S. et al., 19.5-293
Glaze distribution
Raevskii, A. N., 19.2-278
Glaze formation
Raevskii, A. N., 19.1-290
Glaze loads on communication and power lines
Belous, I. M., 19.10-404
Glider investigation of temperature inversions
Van Husen, G., 19.5-232
Glider investigation of vertical currents
Cruette, D., 19.5-273
Global atmospheric circulation
Mintz, Y., 19.7-280
Global atmospheric research
Study Conf. on Global Atmos. Res. Programme (GARP), Stockholm, 1967, 19.7-16
Global Atmospheric Research Program (GARP)
Garcia, R. V., 19.6-50
O'Lone, R. G., 19.9-56
Golitsyn, G. S., 19.11-31
Sheppard, P. A., 19.12-34
Global Horizontal Sounding Techniques (GHOST)
NCAR Quarterly, Summer 1967, 19.6-122
Lichfield, E. W. et al., 19.6-123
Lally, V. E. et al., 19.9-164, 165
Global radiation
Kondo, J., 19.2-200
Schulze, R., 19.3-205
Kahle, A. B., 19.7-311
Global radiation amounts
Quinn, W. H. et al., 19.5-214
Global radiation analysis
Kerr, J. P. et al., 19.9-364
Global radiation charts
Drozdov, A. V., 19.12-234
Global radiation data
Hocevar, A., 19.2-202
Global radiation distribution
Mani, A. et al., 19.4-244
Kerr, J. P. et al., 19.9-363
Drozdov, A. V., 19.12-234
Global radiation measurements
Kirillova, T. V. et al., 19.1-205
Davies, J. A., 19.6-291
Global radiation on slopes
Turner, H., 19.5-216

Drozdov, A. V., 19.12-234
Global radiation on vertical surfaces
Farkas, O. et al., 19.12-225
Global radiation variations
Pochop, L. O. et al., 19.10-291
Global solar radiation measurements
Krichagin, V. I. et al., 19.9-365
Glow cathode discharge tube
Grimm, W., 19.12-95
Goddard Institute for Space Studies
U. S. Goddard Inst. for Space Studies, N.Y., 19.11-66
GOES, *see* **Geostationary Operational Environmental Satellite**
Goldberg microaerofluorometer
Goldberg, L. J., 19.3-94
Government in science
U. S. Office of Naval Research, 19.5-32
Government meteorological services
U.S. Off. of Fed. Coord. for Met. Serv. and Sup. Res., 19.9-63
Gradient current system
Vapniar, D. U., 19.6-682
Gradient wind theories
Arnold, C. P., Jr., 19.3-243
Grain crop forecasting
Borisoglebskii, G. I., 19.4-159
Grain cultivation
Razumova, L. A. et al., 19.4-44
Graphic computers
Maine, R. et al., 19.12-64
Graphical methods
Riblet, J., 19.5-215
Bachi, R., 19.12-2
Stidd, C. K., 19.12-352
Graphical methods in climatology
Maine, R. et al., 19.12-64
Graphical presentation
Bachi, R., 19.12-2
Grass ecology
Knipe, O. D., 19.6-71
Grass growing days
Hurst, G. W. et al., 19.7-440
Grass microclimatology
Whitman, W. C. et al., 19.7-459
Mushkin, I. G., 19.8-111
Grass micrometeorology
Pruitt, W. O. et al., 19.5-345
Grass silage
Warboys, I. B., 19.7-443
Grassland bioclimatology
Smith, L. P., 19.2-56
Grassland farming
Smith, L. P., 19.2-56
Grating spectrometers
Mallia, E. A., 19.6-628
Gravimetric charts
Behrendt, J. C. et al., 19.9-36
Gravitational effects on satellite orbits
Allan, R. R., 19.8-616
Gravitational field calculations from satellite orbits
Koehnlein, W. J., 19.5-533
Koehnlein, W., 19.10-648
Cook, A. H., 19.11-598
King-Hele, D. G. et al., 19.11-600
Gravitational focusing
Shapiro, I. I. et al., 19.1-148
Gravity anomalies
McKenzie, D. P., 19.5-688
Gravity effects on magnetohydrodynamic wave propagation
Poeverlein, H., 19.10-500
Gravity effects on snow cover
Spichkin, V. A., 19.2-552
Gravity field analysis
Koehnlein, W. J., 19.5-533
Gravity in space
Koehnlein, W., 19.10-648
Gravity measurement techniques
Caputo, M., 19.4-6
Gravity soundings of ice thickness
Spector, A., 19.7-763
Gravity variations
Koehnlein, W. J., 19.5-533
Kaula, W. M., 19.11-599
Gravity wave effects on ionosphere
Georges, T. M., 19.12-479
Hines, C. O., 19.12-486
Hooke, W. H., 19.12-488
Gravity wave interaction
Phillips, O. M., 19.3-657
Gravity wave propagation
Zhukova, L. P. et al., 19.8-291
Gravity wave studies
Williams, J. A. et al., 19.5-695
Gravity wave theories
Bole, J. B. et al., 19.8-384
Gravity wave-turbulence relationships
Stein, R. F., 19.6-473
Gravity waves
Pierson, W. J., Jr., 19.4-690
Spizzichino, A., 19.9-421
Sager, G., 19.11-739
Gravity waves in high atmosphere
Zhukova, L. P. et al., 19.8-291
Hines, C. O., 19.11-309, 310
Great Lakes conferences
Symposium on the Great Lakes as Models for Sea-Air Interaction Studies, Univ. of Mich., Oct. 1967, 19.12-21
Great Lakes effects on weather
Kopec, R. J., 19.4-262
Great Lakes meteorological observations
Kennedy, W. E., 19.12-73
Great Lakes research
U. S. Interagency Committee on Oceanography, 19.3-693
Richards, T. L., 19.4-749
Greek participation in IQSY
Final report summarizing the geophysical work..., IQSY, 4th Assembly, 1967, 19.10-108
Green line intensity variations
Armstrong, E. B., 19.7-558
Greenhouse soil temperatures
Kitamura, K., 19.3-40
Greenhouse temperature
Carpenter, W. J. et al., 19.2-51
Takakura, T., 19.2-52
Kitamura, K., 19.3-40
Greenhouse temperature forecasting
Takakura, T., 19.11-186
Greenhouse temperature variations
Uchijima, Z., 19.6-447
Greenhouses
Bayley, M. J., 19.11-405
Greenland Ice Cap
Kumai, M., 19.11-224
Greenland ice sheet
McCorkell, R. et al., 19.4-725
Mock, S. J. 19.4-731, 732; 19.7-433
Grid telescoping in numerical forecasting
Hill, G. E., 19.3-101
Ground conductivity effects on MF radio wave propagation
Knight, P., 19.10-72
Ground frost
Fitzpatrick, E. A., 19.10-312
Ground inversion effects on natural radioactivity
Teneva, M. et al., 19.9-296
Ground level climatology symposia
Shaw, R. H., 19.7-23
Ground temperature data
Lee, J. F., 19.6-316
Ground water accumulation
Vodogretskii, V. E., 19.9-847
Ground water balance
Ubell, K., 19.9-846
Ground water composition
Sturges, D. L., 19.3-705
Straesser, M., 19.3-707
Boettcher, A. J., 19.4-758
Fontes, J. C. et al., 19.5-764
Kitano, Y. et al., 19.6-806
Raikova, B., 19.8-785

Ground water data catalogs
U. S. Inter-Agency Com. on Water Resources, 19.6-807
Ground water dating
Muennich, K. O. et al., 19.9-845
Wendt, I. et al., 19.9-848
Vogel, J. C., 19.9-857
Tamers, M. A., 19.10-475
Ground water depth
Akopian, A. S., 19.9-842
Ground water flow
Bachmat, Y., 19.3-709
Cooper, H. H., Jr., 19.3-710
De Wiest, R. J. M., 19.3-711; 19.4-761
Hazzaa, I. B. et al., 19.4-762
Lomanitz, R., 19.7-821
Papadopulos, I. S., 19.7-822
Zektser, I. S. et al., 19.8-772
Vogel, J. C., 19.9-857
Freeze, R. A., 19.11-814
Ground water flow calculations
Vemuri, V. et al., 19.3-708
Powers, W. L. et al., 19.5-774
Ground water flow studies
Arya, S. P. S., 19.3-706
Ground water–hydrogeology relationships
Thomas, H. E. et al., 19.7-813
Ground water hydrology
Ubell, K., 19.1-595
Vemuri, V. et al., 19.3-708
Bloemen, G. W., 19.7-814
Price, D., 19.8-783
Sinaiskaia, T. M. et al., 19.10-787
Greenman, D. W. et al., 19.11-813
Freeze, R. A., 19.11-814
Kissin, I. G., 19.12-9
Simpson, E. S., 19.12-811
Ground water level measurement techniques
Schroeder, M. et al., 19.12-809
Ground water management
Boettcher, A. J., 19.4-758
Ground water movement measurement techniques
Fritsch, V. et al., 19.3-712
Halevy, E. et al., 19.9-853
Ground water movements
Fritsch, V. et al., 19.3-712
Il'in, N. I. et al., 19.7-820
Ubell, K., 19.9-846
Borowczyk, M. et al., 19.9-852
Tamers, M. A., 19.10-475
Ground water prospecting techniques
Cartwright, K., 19.7-819
Keys, W. S., 19.9-844
Ground water recharge
Vol'ftsun, I. B., 19.2-304
Foxworthy, B. L. et al., 19.5-765
Sternau, R. et al., 19.9-856
Gat, J. R. et al., 19.10-427
Ground water research
Johnson, A. I., 19.4-759
Simpson, E. S., 19.12-811
Ground water resources
Baltz, E. H. et al., 19.4-757
Boettcher, A. J., 19.4-758
Mundorff, M. J., 19.4-760
Irwin, J. H., 19.5-15
Brueckmann, J. E. et al., 19.6-804
Feth, J. H. et al., 19.6-805
Richardson, D. et al., 19.7-825
McCarthy, G. T. et al., 19.8-784
Sinaiskaia, T. M. et al., 19.10-787
Bjorklund, L. J. et al., 19.11-812
Barksdale, H. C., 19.12-370
Motts, W. S., 19.12-810
Ground water storage
De Wiest, R. J. M., 19.4-761
Orr, H. K., 19.9-872
Ground water–stream flow relationships
Hidaka, F. T. et al., 19.10-782
Ground water studies
Ubell, K., 19.1-595
Blank, H. R. et al., 19.6-803
Ground water supply
Blank, H. R. et al., 19.6-803
Brueckmann, J. E. et al., 19.6-804
Thomas, H. E. et al., 19.7-813
Price, D., 19.8-783
Ground water table
Vodogretskii, V. E., 19.9-847
Ground water table variations
Schiff, L. et al., 19.7-815
Akopian, A. S., 19.9-842
Ground water tracers
Ubell, K., 19.9-846
Baetsle, L. H. et al., 19.9-851
Borowczyk, M. et al., 19.9-852
Knutsson, G. et al., 19.9-854
Molinari, J. et al., 19.9-855
Sternau, R. et al., 19.9-856
Vogel, J. C. et al., 19.9-857
Ground wave propagation
Morganstern, J. C. et al., 19.10-214
Growing season climatology
Hurst, G. W. et al., 19.7-440
Taylor, J. A., 19.7-442
Growing season data
Kish, A. J. et al., 19.1-72
Gulf Stream dynamics
Holland, W. R., 19.6-341
Niiler, P. P. et al., 19.6-681
Gulf Stream eddies
Warren, B. A., 19.4-668
Gulf Stream investigations
Darchen, J., 19.2-563
Warren, B. A., 19.4-667
Darchen, J., 19.5-674
Wilkerson, J. C., 19.10-747
Piccard, J., 19.11-698
Gulf Stream meanders
Pickett, R. L., 19.2-564
Wilkerson, J. C., 19.4-669
Niiler, P. P. et al., 19.6-681
Wilkerson, J. C., 19.9-784; 19.10-747
Gulf Stream seasonal variations
Wilkerson, J. C., 19.10-739
Gulf Stream surveys
Ichiye, T., 19.2-527
Gumbel's method
Okulaja, F. Ola., 19.9-448
Gun-launched meteorological sounding systems
Murphy, C. H. et al., 19.1-65; 19.8-85; 19.9-597
Anthony, M., 19.10-387
Gunn, Ross
Reichelderfer, F. W., 19.5-33
Gust associated with thunderstorms
Barnum, D. C., 19.9-223
Gust calculation
Brook, R. R. et al., 19.12-269
Gust loads on airplanes
Firebaugh, J. M., 19.4-30
Fuller, J. R., 19.6-56
Swaim, R. L. et al., 19.6-59
Gust measurement equipment
Morrison, J. G., 19.11-149
Gust variation with height
Arakawa, H. et al., 19.2-234
Gust velocities
Arakawa, H. et al., 19.2-234
Cott, A. W. et al., 19.4-277
Gustang Glacier
Watanabe, O. et al., 19.9-804
Gustiness
Sharma, K. K., 19.4-260
Milosavljevic, M. et al., 19.5-241
Gustiness measurement equipment
Axford, D. N., 19.12-81
Gustiness measurements
Hunter, P. A., 19.11-79
Gustiness profiles
Huss, P. O., 19.8-375
Davis, F. K., Jr. et al., 19.9-424
Gustiness variations
Huss, P. O., 19.8-375
Gustiness–wind velocity relationships
Stuhrmann, R., 19.1-245
Davis, F. K., Jr. et al., 19.9-424

Gyro-plasma probe
Oya, H. et al., 19.10-545

H

H_α line intensity
Engvold, O., 19.3-602
HF propagation predictions
Nielson, D. L., 19.5-416
HF radio wave propagation
Lied, F., 19.7-6
Bowen, E. D. et al., 19.7-496
Hail antiaircraft shelling
Sulakvelidze, G. K., 19.3-1; 19.8-214
Hail-bearing storms
Dennis, A. S. et al., 19.10-271
Hail control
Schleusener, R. A., 19.9-250
Hail damage
Sulakvelidze, G. K. et al., 19.10-183
Hail damage estimation
Chagnon, S. A., Jr., 19.11-472
Hail damage frequencies
Zavertnev, M. P. et al., 19.9-521
Hail damage to crops
Sulakvelidze, G. K., 19.3-1; 19.8-214
Hail damage statistics
Gigineishvili, V. M., 19.10-448
Hail data
Kozminski, C., 19.11-473
Hail distribution
Abshaev, M. T. et al., 19.4-363
Hadas, A., 19.9-523
Stout, G. E. et al., 19.11-45
Hail forecasting
Kopcewicz, T., 19.8-204
Sulakvelidze, G. K., 19.9-225
Haman, K., 19.11-187
Hail forecasting techniques
Glushkova, N. I., 19.7-192
Hail formation
Khemani, L. T. et al., 19.3-349
Sulakvelidze, G. K. et al., 19.5-11
Kopcewicz, T., 19.8-204
Hail formation mechanism
Sulakvelidze, G. K., 19.9-520
Hail frequencies
Katsnelson, J., 19.8-453
Hadas, A., 19.9-523
Hail frequency distribution
Goetz, G. et al., 19.7-439
Hail gage
Voronov, G. S., 19.5-132
Mueller, E. A. et al., 19.11-155
Hail growth
Browning, K. A., 19.1-314
English, M., 19.6-428
Hail growth processes
Gitlin, S. N. et al., 19.2-302
Hail mechanism
Weinstein, A. I. et al., 19.10-266
Hail modification
Sulakvelidze, G. K., 19.3-1; 19.8-214
Hail occurrences
Kulshrestha, S. M. et al., 19.4-78
Hail patterns
Chagnon, S. et al., 19.10-453
Hail physics
Kopcewicz, T., 19.8-204
Hail prevention
Voronov, G. S. et al., 19.3-135
Goyer, G., 19.4-171
Sulakvelidze, G. K. et al., 19.5-11
Kopcewicz, T., 19.8-204
Schmid, P., 19.8-212
Sulakvelidze, G. K., 19.9-520
Zavertnev, M. P. et al., 19.9-521
Sulakvelidze, G. K. et al., 19.10-183
Rinehart, R. E. et al., 19.11-120
Mueller, E. A. et al., 19.11-155
Butchbaker, A. F., 19.11-230
Changnon, S. A., Jr., 19.11-231
Henderson, T. J., 19.11-240
Phillips, B. B., 19.11-242
Hail prevention research
Mueller, H. G., 19.7-215
Desi, F., 19.12-140
Hail prevention techniques
Carte, A. E., 19.10-447
Desi, F., 19.12-140
Hail protection
Sulakvelidze, G. K., 19.3-1; 19.8-214
Hail studies
Pell, J., 19.10-449
Chagnon, S. et al., 19.10-453
Hail suppression
Phillips, B. B., 19.11-242
Hail suppression experiments
Neyman, J. et al., 19.8-209
Hail suppression research
Schleusener, R. A., 19.11-248
Hail variations
Stout, G. E. et al., 19.11-45
Hail velocities
Molokanov, I. V., 19.9-522
Hailstone formation
Browning, K. A. et al., 19.3-348
Hailstone growth
Browning, K. A., 19.2-301
Aufdermaur, A. N. et al., 19.8-452
List, R. et al., 19.10-451
Knight, C. A. et al., 19.10-452
Hailstone measurements
Gitlin, S. N. et al., 19.2-302
Hailstone melting
Makuashev, M. K., 19.9-485
Hailstone photography
Voronov, G. S., 19.5-132
Hailstone shapes
Browning, K. A. et al., 19.3-348
Brown, R. M., 19.6-427
Hailstone size distribution
Brown, R. M., 19.10-450
List, R. et al., 19.10-451
Hailstone structure
Browning, K. A., 19.2-301
Browning, K. A. et al., 19.3-348
Aufdermaur, A. N. et al., 19.8-452
Vittori Antisari, O. et al., 19.11-474
Hailstorm analysis
Venkateswarlu, V., 19.4-362
Auer, A. H., Jr., 19.7-437
Militaru, F., 19.7-438
Hailstorm characteristics
Omoto, Y., 19.6-426
Hailstorm damage
Simons, H. H. J., 19.4-361
Hailstorm frequencies
Changnon, S. A., Jr., 19.5-307
Hailstorm–lightning relationships
Blevins, L. L. et al., 19.10-501
Hailstorm processes
Bordovskaia, L. I., 19.7-283
Hailstorm studies
Sharma, B. L., 19.4-360
Hailstorms
Fiedler, R. et al., 19.5-333
Hailstorms, Europe (1100-1400)
Weikinn, C., 19.1-313
Hailstorms, Netherlands (June 16, 1966)
Simons, H. H. J., 19.4-361
Hailstreak–rain relations
Chagnon, S. et al., 19.10-453
Haline convection
Foster, T. D., 19.9-795
Halo observations
Goldie, E. C. W. et al., 19.9-555
Hamburg. University. Meteorological Institute
Pond, S., 19.8-46
Hansen's planetary theory
Musen, P., 19.7-643
Harbor conditions
Caldwell, J. M. et al., 19.5-612
Harmonic analysis
Hastenrath, S. L., 19.12-362
Harmonic analysis of tides
Al'tshuler, V. M., 19.12-746

Haymai, Shoitiro
Kyoto, Japan Univ., Geophysical Inst., 19.12-20
Haze effects on Umkehr measurements
DeLuisi, J. J., 19.7-313
Haze transmission
Gorchakov, G. I. et al., 19.11-514
Health resort climates
Steinhauser, F., 19.9-533
Modval, M. et al., 19.11-94
Andritoiu, N. et al., 19.12-221
Health resort climatology
Neuwirth, R., 19.6-212
Health resort treatments
Modval, M. et al., 19.11-94
Heat acclimatization of man
Greenleaf, J. E. et al., 19.8-67
Heat and water balance
Sakali, L. I. et al., 19.2-186
Konstantinov, A. R. et al., 19.11-334
Karnatsevich, I. V., 19.11-424
Akademiia, N., 19.12-16
Mezentsev, V. S., 19.12-219
Heat balance
Thornthwaite, C. W. Assoc., Lab. of Clim., Elmer, N.J., 19.6-287
Kriester, B., 19.11-336
Heat balance calculation
Kuniavskaia, M. V. et al., 19.1-174
Nesina, L. V., 19.1-175
Berz, G., 19.6-284
Heat balance components
Serova, N. V., 19.1-176
Heat balance measurements
Smolen, F. et al., 19.6-286
Heat balance methods
Iwakiri, S., 19.9-474
Heat balance of Arctic seas
Donn, W. L. et al., 19.6-285
Heat balance of cotton fields
Lapshova, L. P., 19.4-317
Heat balance of forests
Rauner, Iu. L. et al., 19.12-220
Heat balance of glaciers
Golovkova, R. G. et al., 19.6-718
Adamenko, V. N., 19.10-278
Heat balance of lakes
Siletskii, K. N., 19.12-789
Heat balance of mountain regions
Adamenko, V. N., 19.10-278
Heat balance of ocean
Shakhanova, T. V. et al., 19.4-678
Heat balance of potato fields
Liapina, R. S. et al., 19.4-41
Heat balance of reservoirs
Kuniavskaia, M. V. et al., 19.1-174
Nesina, L. V., 19.1-175
Serova, N. V., 19.1-176
Heat balance of rivers
Nishizawa, T., 19.6-757, 758
Wright, J. C. et al., 19.6-759
Heat balance of sea surfaces
Shakhanova, T. V. et al., 19.5-684
Heat balance of seas
Bulatov, L. V. et al., 19.2-185
Strokina, L. A., 19.10-726
Heat balance of snow
Wendler, G., 19.6-420
Kojima, K., 19.9-475
Kopanov, I. D., 19.12-228
Onuma, T., 19.12-416
Heat balance of stratosphere
Berson, F. A., 19.5-233
Heat balance research
Gandin, L. S., 19.5-187
Heat budget
Moeller, F., 19.6-243
Fletcher, J. O., 19.11-333
Saltzman, B., 19.12-177
Kuo, H. L., 19.12-188
Heat budget determination
Takeda, K., 19.2-160
Heat budget of lakes
Noble, V. E. et al., 19.4-274
Heat budget of ocean
Beliaev, V. I. et al., 19.4-633
Tarbeev, Iu. V. et al., 19.9-442
Heat budget of sea surfaces
Walmsley, J. L., 19.4-679
Heat budget of seas
Lake, R. A., 19.3-664
Voskanian, A. G. et al., 19.5-227
Heat conductivity equations
Galin, M. B., 19.8-282
Heat conductivity of sea ice
Lewis, E. L., 19.11-750
Heat conductivity of soil
Wagner, R., 19.9-414
Takacs, L., 19.9-415
Heat content of seas
Muromtsev, A. M., 19.12-696
Heat effects on man
Givoni, G., 19.11-357
Heat exchange
Shouman, A. R., 19.7-49
Garstang, M., 19.9-316
Heat exchange air–water surface
Timofeev, M. P., 19.1-238
Heat exchange at Earth's surface
Doronin, Iu. P. et al., 19.10-158
Kuo, H. L., 19.12-188
Heat exchange in forests
Fedorov, S. F., 19.8-107
Heat exchange in reservoirs
Timofeev, M. P., 19.1-238
Heat exchange in seas
Kowalik, Z., 19.10-743
Heat exchange in soil
Fan, A. A., 19.4-105
Heat exchange measurement techniques
Fan, A. A., 19.4-105
Heat exchange near the ground
Lettau, B., 19.12-246
Heat exchange over corn crops
Gagarina, T. E. et al., 19.10-362
Heat exchange over snow
Dolov, M. A., 19.10-436
Heat exchange sea–atmosphere
Bulatov, L. V. et al., 19.2-185
Lake, R. A., 19.3-664
Walmsley, J. L., 19.4-679
Tarbeev, Iu. V. et al., 19.9-442
Charnock, H., 19.10-749
Heat exchange sea–ice
Lake, R. A., 19.3-664
Heat exchange soil–atmosphere
De Felice, P., 19.9-409
Heat flow across lake bottom
Liubimova, E. A. et al., 19.8-763
Heat flow from ocean floor
Bodvarsson, G., 19.3-646
Heat flow into sea water
Maizuru, Japan. Marine Observatory, 19.9-741
Heat flow into snow
Dolov, M. A., 19.10-436
Heat flow into soil calculation
Bespalov, D. P., 19.8-113
Heat flow meters
Fan, A. A., 19.4-105
Kaganov, M. A. et al., 19.8-115
Heat flow through lunar surface
Wildey, R. L., 19.3-549
Heat flow through ocean floor
Burns, R. E. et al., 19.5-685
Langseth, M. G., Jr. et al., 19.5-686
LePichon, X. et al., 19.5-687
McKenzie, D. P., 19.5-688
Sclater, J. G. et al., 19.5-689
Orowan, E., 19.8-740
Oxburgh, E. R. et al., 19.12-736
Heat flow through ocean water
Woods, J. D., 19.10-727
Heat flux
Priestley, C. H. B., 19.3-179
Vukovich, F. M. et al., 19.11-487
Heat flux density measurements
Krasnoshchekov, E. A. et al., 19.11-296

Heat flux profiles
Lenschow, D. H. et al., 19.3-68
Heat loss by evaporation
Ogneva, T. A., 19.10-397
Heat loss from animals
Wiersma, F. et al., 19.9-388
Heat loss from sea surfaces
Fedorova, Z. P., 19.11-737
Heat loss from snow cover
Lettau, B., 19.12-246
Heat loss mechanisms
Whittow, G. C., 19.7-68
Heat regime of mesosphere
Rakipova, L. R., 19.9-284
Heat–soil moisture relationships
Konstantinov, A. R. et al., 19.10-56
Heat source effects on cumulus cloud development
Amirov, A. D., 19.12-344
Heat supply for rice culture
Chernysheva, L. S., 19.8-58
Heat transfer
Akin, C. M. et al., 19.8-278
Dubrovina, E. N. et al., 19.11-293
Heat transfer calculations
Popov, V. N., 19.11-301
Heat transfer equations
Lel'chuk, V. L. et al., 19.11-297
Heat transfer from hailstones
Aufdermaur, A. N. et al., 19.8-452
Heat transfer in frost
Mulligan, J. C., 19.8-351
Heat transfer in snow
Kaganov, M. A. et al., 19.8-115
Mulligan, J. C., 19.8-351
Heat transfer measurements
Dubrovina, E. N. et al., 19.11-293
Lel'chuk, V. L. et al., 19.11-297
Heat transfer sea–atmosphere
Ichiye, T. et al., 19.2-568
Heat transfer studies
Krasnoshchekov, E. A. et al., 19.11-296
Heat transfer through ice
Kaganov, M. A. et al., 19.8-115
Mulligan, J. C., 19.8-351
Heat transport
Wiin-Nielsen, A. et al., 19.3-183
Iida, M., 19.10-236
Heat transport in oceans
Bodvarsson, G., 19.3-646
Heat waves
Novskaia, A. I., 19.8-348
Heated island model
Garstang, M., 19.9-316
Heating systems
Carpenter, W. J. et al., 19.2-51
Heavy nuclei in cosmic radiation
Suslov, A. A. et al., 19.1-421
Volodichev, N. N. et al., 19.3-441
Webber, W. R. et al., 19.4-501
Malmqvist, L., 19.7-575
Heavy precipitation analyses
Jalu, R. et al., 19.8-440
Heavy rainfall
Roberti, R., 19.1-304
Marx, S., 19.5-313
Pedgley, D. E., 19.5-316
Cheng, P. C., 19.6-404
Chaudhury, A. K., 19.7-416
Taraszkiewicz, W., 19.10-421
Henning, D., 19.11-454
Heavy rainfall analyses
Lauscher, F., 19.5-312
Dhar, O. N. et al., 19.6-396
Steinhaeusser, H., 19.9-511
Heavy rainfall data
Hong Kong. Royal Observatory, 19.8-313
Heavy rainfall data analysis
Hofmeyr, W. L., 19.2-291
Heavy rainfall distribution
Das Gupta, D. N., 19.4-223
Huff, F. A., 19.7-405
Visvanathan, T. R., 19.7-419
Vickers, D. O., 19.12-369
Heavy rainfall forecasting
Schwarz, F. K., 19.3-295
Vanney, J. R., 19.3-296
Raj, H. et al., 19.4-152
Heavy rainstorms
Schwarz, F. K., 19.3-295
Vanney, J. R., 19.3-296
Heavy rainstorms analyses
Schwarz, F. K., 19.8-314
Heavy snowfall
Zingg, Th., 19.6-400
Passantino, S., 19.10-434
Heavy snowstorm forecasting
Fukuda, K., 19.5-154
Helicopter meteorographs
Beliaev, V. P. et al., 19.9-166
Helicopter snow cover measurements
Il'in, I. A., 19.11-143
Helicopter soundings
Vasil'chenko, I. V. et al., 19.8-101
Helicopter studies of turbulence
Vorontsov, P. A., 19.2-233
Heliographic charts of the photosphere
Waldmeier, M., 19.7-686; 19.11-673
Heliotherapy
Andritoiu, N. et al., 19.12-221
Schram, K. et al., 19.12-236
Helium concentration in ionosphere
Maier, W. B., II, 19.9-595
Helium emission
Fedorova, N. I., 19.1-337
Bowyer, C. S. et al., 19.6-305
Helium escape from atmosphere
Chamberlain, J. W. et al., 19.1-135
Helium in the universe
Tayler, R. J., 19.6-568
Helium in upper atmosphere
Bowyer, C. S. et al., 19.6-305
Young, J. M. et al., 19.10-209
Helium nuclei in cosmic rays
Durgaprasad, N. et al., 19.1-410
O'Dell, F. W. et al., 19.10-595
"Helland-Hansen" cruises
Boeyum, G., 19.2-528, 562; 19.7-744
Hellgate Fire, 1965
Taylor, D. F. et al., 19.9-108
Hemispheric magnetic activity differences
Siebert, M., 19.9-634
Herbicide effectiveness
Fee, R., 19.9-99
Heterogeneous nucleation
Walton, A. G., 19.4-323
Heterogeneous nucleation theory
Isaka, H. et al., 19.9-488
HF, *see* HF as acronym
Hibernation
Davis, D. E., 19.1-223
Drescher, J. W., 19.5-351
High altitude balloons
Nelson, E., 19.6-124
Wagner, W. C., 19.6-126
Doherty, F. X. et al., 19.10-118
High altitude nuclear explosion effects
Carpenter, G. B. et al., 19.4-545
Kozlov, S. I., 19.5-61
High altitude nuclear explosions
Whitten, R. C. et al., 19.3-402
High energy particles
Dragnev, T. N. et al., 19.3-422
High frequency, *see* HF as acronym
High level anticyclones
Kleinschmidt, E., 19.6-279
High resolution infrared radiation data analysis
Wuerch, D. E., 19.1-96
Allison, L. J. et al., 19.5-636
High resolution infrared radiation measurements
Allied Research Associates, Inc., Concord, Mass., 19.1-85

High temperature spectral emittance determination
Kneissl, G. J. et al., 19.12-98
High water level
Kubo, M. et al., 19.10-766
High wind waves
Khvan, A. P., 19.2-570
Highway engineering
Koyama, M. et al., 19.11-219
Hinds, Richard Brinsley
Court, A., 19.1-46
Historic climates
Pejml, K., 19.7-453
Ramaswamy, C., 19.9-151
Historic climates, Central Asia
Akademiia Nauk SSSR, Inst. Geog., 19.10-10
Historic climates, Central North America
Bryson, R. A. et al., 19.9-11
Historic climatic changes
Tushinskii, G. K., 19.3-320
Gumilev, L. N., 19.7-451
Historic droughts
Ballas, D. J., 19.12-366
Historic floods
Ballas, D. J., 19.12-366
Historic periods
MacDougall, I. et al., 19.12-435
Historic temperature records
Landsberg, H. E., 19.6-116
Historic weather instruments
Sealey, A. F., 19.5-139
Historic weather records
Saltzman, P. P., 19.5-88
Ramaswamy, C., 19.9-151
Historic weather records, July 4, 1862
Doherty, H. B., 19.9-148
Historical survey
Slukhai, I. A., 19.11-62
History of agricultural meteorology
Protserov, A. V., 19.4-164
History of agrometeorology
Oliver, J., 19.7-54
Thomas, D., 19.7-55
History of airglow research
Chapman, S., 19.3-23
History of atmospheric research
Sheppard, P. A., 19.12-34
History of auroral research
Chapman, S., 19.3-23
History of aviation meteorology
Kogan-Beletskii, G. I. et al., 19.9-87
History of British naval hydrography
Ritchie, G. S., 19.7-713
History of Central Aerological Observatory, Moscow
Golyshev, G. I., 19.7-117
History of climatology
Fukui, E., 19.1-41
Orlova, V. V. et al., 19.12-422
History of cloud seeding
Fletcher, J. E., 19.2-123
Bowen, E. G., 19.8-203
Decker, F. W., 19.11-233
History of geomagnetism
Chapman, S., 19.10-39
History of hydrology
Kresser, W., 19.3-675
Biswas, A. K., 19.7-777, 778
Garbrecht, G. et al., 19.10-41
History of kites
Hart, C., 19.5-4
History of marine meteorology
Bortkovskii, R. S. et al., 19.12-733
History of meteorological observations
Garcia, R., 19.1-42
Scragg, A., 19.10-40
Samaj, F. et al., 19.10-97
History of meteorological observatories
Skeib, G., 19.5-81
History of meteorological services
Popkin, R., 19.2-35
Moshenichenko, I. E., 19.4-163
Khromov, S. P., 19.8-47
History of meteorological stations
Hawke, A. G., 19.5-80
History of meteorology
Wiin-Nielsen, A., 19.3-20
Kalendov, A. A. et al., 19.3-22
Scragg, A., 19.10-40
History of numerical forecasting
Shuman, F. G., 19.7-173
History of observatories
Samaj, F. et al., 19.10-97
History of oceanography
Miscoski, V. T., 19.9-725
History of ozone research
Dobson, G. M. B., 19.8-262
History of phenology
Shul'ts, G. E., 19.3-66
History of soil science
Egorov, V. V., 19.12-33
History of solar system
Miller, D. M., 19.6-598
History of Soviet agrometeorology
Kalmykova, V. V. et al., 19.6-69
History of Soviet astronomy
Astronomicheskii Zhurnal, Moscow, 1967, 19.6-557
History of Soviet meteorological service
Korzun, V. I., 19.6-46
History of Soviet meteorology
Akad. Nauk SSSR, Izv., Nov. 1967, 19.6-49
History of Soviet oceanography
Dobrovol'skii, A. D., 19.5-609
Kozlianinov, M. V., 19.5-649
Shtokman, V. B., 19.5-660
Ozmidov, R. V., 19.5-665
Zenkovich, V. P. et al., 19.5-700
Akad. Nau, SSSR, Izv., Nov. 1967, 19.6-49
History of thermometry
Percy, J. W., 19.12-89
History of water supply
Fedoseev, I. A., 19.7-10
History of weather control
Schaefer, V. J., 19.11-209
History of weather forecasting
Richardson, L. F., 19.2-8
Sawyer, J. S., 19.3-99
Uspenskii, B. D. et al., 19.5-142
Dady, G., 19.6-160
Vaeisaelae, V., 19.6-161
Hoar frost
Stancescu, I. et al., 19.12-339
Holiday weather statistics
Brazell, J. H., 19.12-3
Holocene climate
Tsukada, M., 19.7-455
Horizontal luminance
Boileau, A. R., 19.12-446
Horizontal precipitation
Zeleny, V., 19.10-424
Horizontal temperature contrasts
Ivanovskii, A. I., 19.9-304
Horizontal temperature field structure
Komarov, V. S., 19.7-329
Horizontal temperature gradient
Cheredilov, B. F., 19.10-724
Horizontal turbulent diffusion in sea
Okubo, A., 19.2-557
Cheredilov, B. F., 19.11-728
Horizontal turbulent exchange in sea
Al'tman, E. N. et al., 19.5-666
Horizontal turbulent mixing
Dobryshman, E. M. et al., 19.9-445
Horizontal visibility variations
Titov, V. I., 19.9-550
Horizontal wave guide
Maslova, L. M., 19.12-160
Horizontal wind measurements
Donaldson, R. J., Jr., 19.10-277
Horizontal wind speed
Allen, L. H., Jr., 19.3-227
Horizontal wind systems
Harrold, T. W. et al., 19.9-440
Hormone production
Serban, Al., 19.11-361
Hot climates
Bond, T. E., 19.7-63

- **Hot days**
  - Perry, A., 19.10-303
- **Hot spot anemometers**
  - Kung, R. J. et al., 19.7-147
- **Hot-wire anemometers**
  - Kung, R. J. et al., 19.7-147
- **Hot-wire measurements**
  - Arya, S. P. S. et al., 19.10-321
- **Hourly observational data**
  - Munich. Universitat. Meteorologisches Institut, 19.1-73
- **Hovercraft**
  - Hogben, N., 19.9-792
- **Hovmoeller impulse**
  - Krishnamurti, T. N., 19.10-252
- **Human bioclimatology**
  - Rusanov, V. I., 19.12-442
- **Human ecology**
  - Delariu, E. M., 19.5-359
  - Daniels, F., 19.6-77
- **Humboldt, Alexander von**
  - Munzar, J., 19.3-212
- **Humidity calculations**
  - Novozhilova, M. P., 19.1-224
  - Chuzavkova, N. A., 19.4-74
- **Humidity coefficient**
  - Patachie, I., 19.3-261
- **Humidity conditions**
  - Zubenok, L. I., 19.10-394
  - Ogino, K., 19.11-500
- **Humidity determination techniques**
  - Barwick, A. J. et al., 19.7-264
- **Humidity distribution**
  - Dolgin, I. M. et al., 19.1-276
  - Gregorczuk, M. et al., 19.2-216
- **Humidity distribution at noctilucent cloud heights**
  - Trubnikov, B. N. et al., 19.8-475
- **Humidity effects on agriculture**
  - Burckhardt, H., 19.1-277
- **Humidity effects on air density**
  - Krylova, L. M., 19.7-217
- **Humidity effects on animals**
  - Winn, P. N. et al., 19.3-41
- **Humidity effects on geodetic measurements**
  - Botez, M. P. et al., 19.9-384
- **Humidity effects on geomagnetic instruments**
  - Bobrov, V. N. et al., 19.2-446
- **Humidity estimation from satellite cloud photographs**
  - Thompson, A. H. et al., 19.3-58
- **Humidity estimation from satellite radiation measurements**
  - Fritz, S. et al., 19.3-56
  - Karpova, V. M. et al., 19.5-67
  - Raschke, E., 19.6-361
  - Smith, W. L., 19.10-87
- **Humidity forecasting**
  - Bachurina, A. A. et al., 19.5-147
- **Humidity frequencies**
  - Burckhardt, H., 19.1-277
- **Humidity gradient calculations**
  - Ball, J. T. et al., 19.12-316
- **Humidity gradient singularities**
  - Fedorova, A. A., 19.11-332
- **Humidity measurement techniques**
  - Houtman, J. P. W. et al., 19.11-118
- **Humidity over water surfaces**
  - Novozhilova, M. P., 19.1-224
- **Humidity profile calculations**
  - Boldyrev, V. G. et al., 19.4-70
  - Gavrilin, B. L., 19.4-312
  - Karpova, V. M. et al., 19.5-67
- **Humidity profile measurement techniques**
  - Robinson, E. et al., 19.12-312
- **Humidity profiles**
  - Atkinson, B. W., 19.1-191
- **Humidity profiles–cloud relationships**
  - Kuznetsova, M. A., 19.5-280
- **Humidity profiles over sea**
  - Paulson, C. A., 19.7-9
- **Humidity regime**
  - Stoenescu, St. M. et al., 19.12-250
- **Humidity sensors**
  - Viton, P., 19.4-137
- **Humidity stratification**
  - Gazzola, A. et al., 19.12-253
- **Humidity variations**
  - Trybowska, E. et al., 19.7-364
  - Zubenok, L. I., 19.10-394
- **Hurricane "Arlene" (1963)**
  - Latham, G. V. et al., 19.2-172
- **Hurricane "Betsy" (1965)**
  - Berenger, M., 19.4-227
  - Goudeau, D. A. et al., 19.7-289
  - Stevenson, R. E., 19.9-343
  - Landis, R. C. et al., 19.12-208
- **Hurricane "Beulah" (1967)**
  - Steinborn, E., 19.5-204
  - DeAngelis, R. M., 19.6-269
- **Hurricane "Carla" (1961)**
  - Russell, T. L. et al., 19.5-635
  - Colon, J. A., 19.9-335
- **Hurricane "Hilda" (1963)**
  - Hawkins, H. F. et al., 19.12-211
- **Hurricane "Hilda" (1964)**
  - Anthes, R. A. et al., 19.9-331
- **Hurricane "Carol" (1965)**
  - Berenger, M., 19.4-227
- **Hurricane "Inez" (1966)**
  - Senn, H. V., 19.2-175
  - Hawkins, H. F. et al., 19.2-178
  - Minina, L. S., 19.4-234
- **Hurricane "Iris" (1965)**
  - Albert, R., 19.7-290
- **Hurricane analysis**
  - Berenger, M., 19.4-227
  - Minina, L. S., 19.4-234
  - Albert, R., 19.7-290
  - Anthes, R. A. et al., 19.9-331
  - Colon, J. A., 19.9-335
  - Rodewald, M., 19.10-258
- **Hurricane chronologies**
  - Florida. [Committee on Hurricanes], 19.12-207
- **Hurricane conferences**
  - U. S. Interdept. Hurricane Warning Conf., Fla., Jan. 1968, 19.8-178
  - Bianco, J. M., 19.9-332
  - Michelangeli, A., 19.9-340
  - Pedgley, D. E., 19.12-210
- **Hurricane control**
  - Simpson, J. (S.), 19.9-342
- **Hurricane damage**
  - Carr, J. T., Jr., 19.1-190
  - Cooper, G. W., 19.6-268
  - Gentry, R. C., 19.9-336
- **Hurricane damage at sea**
  - Blumberg, R., 19.9-334
- **Hurricane damage offshore**
  - Krieg, J. L., 19.9-339
- **Hurricane damage prevention**
  - Carr, J. T., Jr., 19.1-190
  - Gentry, R. C., 19.9-336
  - Krieg, J. L., 19.9-339
  - Florida. [Committee on Hurricanes], 19.12-207
- **Hurricane damage to offshore pipelines**
  - Krieg, J. L., 19.9-339
- **Hurricane data**
  - Pelissier, J. M., 19.9-659
  - Stekhnovskii, D. I. et al., 19.11-329
- **Hurricane development**
  - Hawkins, H. F. et al., 19.2-178
  - Riehl, H., 19.3-180
  - Kuo, H. L., 19.4-233
  - Minina, L. S., 19.4-234
  - Miller, B. I., 19.9-341
  - Merritt, E. S. et al., 19.12-85
- **Hurricane development models**
  - Stevenson, R. E., 19.9-343
- **Hurricane dynamics**
  - Simpson, R. H. et al., 19.8-308
  - Anthes, R. A. et al., 19.9-331
  - Stevenson, R. E. et al., 19.9-343
- **Hurricane effects on ship navigation**
  - Estur, P., 19.10-255
- **Hurricane effects on water temperature**
  - Landis, R. C. et al., 19.12-208
- **Hurricane flood protection**
  - Van Sickle, D. R., 19.8-304

Hurricane forecasting
U. S. Interdept. Hurricane Warning Conf., Fla. 1968, 19.8-178
Moore, P. L., 19.9-239
Hurricane formation
Albert, R., 19.7-290
LaSeur, N. E., 19.8-306
Hurricane frequencies
Blumberg, R., 19.9-333
Gentry, R. C., 19.9-336
Hurricane genesis
Miller, B. I., 19.9-341
Hurricane insurance
Blumberg, R., 19.9-334
Hurricane mechanics
Koteswaram, P., 19.6-273
Estoque, M. A. et al., 19.10-260
Ooyama, K., 19.11-330
Hurricane models
Koteswaram, P., 19.6-273
Hadlock, R. K. et al., 19.8-305
Estoque, M. A. et al., 19.10-260
Ooyama, K., 19.11-330
Hurricane modification
Simpson, J. (S.), 19.8-342
Hurricane modification by cloud seeding
American Meteor. Society, Bulletin, 19.3-132
Gentry, R. C., 19.11-213
Hurricane movement forecasting
Sanders, F. et al., 19.9-221
Hurricane precautions
Blumberg, R., 19.9-334
Hurricane probability
Blumberg, R., 19.9-333
Hurricane rainfall
Vickers, D. O., 19.12-369
Hurricane research
Senn, H. V., 19.2-175
Simpson, J. (S.), 19.9-342
Pedgley, D. E., 19.12-210
Hurricane–sea temperature relationships
Perlroth, I., 19.5-203
Hurricane season reports
Sugg, A. L. et al., 19.8-303
Steinborn, E., 19.10-259
Hurricane seeding
U. S. Weather Bureau, 19.4-169
Hurricane structure
Miller, B. I., 19.2-176
Koteswaram, P., 19.6-273
LaSeur, N. E., 19.8-306
Pearson, A. D., 19.8-311
Hurricane studies
Dunn, G. E., 19.7-288
Hurricane surges
Carr, J. T., Jr., 19.1-190
Pawlik, C. L. et al., 19.2-173
Bretschneider, C. L., 19.4-228
Goudeau, D. A. et al., 19.7-289
Harris, D. L., 19.8-301
Hurricane symposia
American Society for Oceanography, 19.10-13
Hurricane textbooks
Florida. [Committee on Hurricanes], 19.12-207
Hurricane theories
Minina, L. S., 19.4-234
Hurricane tide computation
Russell, T. L. et al., 19.5-635
Hurricane tides
Truitt, R. V., 19.9-344
Hurricane tracking techniques
Simpson, R. H. et al., 19.8-308
Hurricane tracks
Jordan, C. L., 19.8-307
Hurricane vortex structure
Macdonald, N. J., 19.12-209
Hurricane warning services
ESSA World, Oct. 1967, 19.3-131
U. S. Environ. Sci. Serv. Admin., 19.6-271
Moore, P. L., 19.9-239
Hurricane warnings
U. S. Interdept. Hurricane Warning Conf., Fla., Jan. 1968, 19.8-178
Hurricane waves
Bretschneider, C. L., 19.6-267
Hurricane winds
Truitt, R. V., 19.9-344
Hurricanes
Helm, T., 19.2-22
U. S. Environ. Sci. Serv. Admin., 19.6-271
Hurricanes, Atlantic Coast
Colon, J. A., 19.9-335
Hurricanes, Gulf Coast
Carr, J. T., Jr., 19.1-190
Hurricanes, Northeast Pacific
DeAngelis, R. M., 19.4-229
Hurricanes, Northern Atlantic (1967)
Rodewald, M., 19.10-258
Hydraulic calculations
Ivanov, V. V. et al., 19.12-795
Hydraulic engineering
Razvan, E., 19.7-807
Hurst, H. E. et al., 19.8-12
Garbrecht, G. et al., 19.10-41
Flaherty, D. C., 19.12-682
Hydraulic engineering problems
Cecen, K., 19.5-773
Syamala Rao, B. C. et al., 19.12-806
Hydraulic models
Barr, D. I. H., 19.10-790
Hydrobiology
Baluta, D., 19.8-775
Hydrochemical investigations
Durum, W. H. et al., 19.4-739
Tarasov, M. N., 19.4-741
Hydrochemical observations
Rozengurt, M. Sh. et al., 19.9-771
Hydrochemistry of lakes
Raspletina, G. F. et al., 19.4-746
Solov'eva, N. F., 19.4-747, 748
Rossolimo, L. L. et al., 19.5-745
Shil'krot, G. S., 19.5-747
Zharikov, S. S. 19.5-750
Gastescu, P. et al., 19.7-789
Shul'gina, E. F., 19.7-791
Hydrochemistry of rivers
Solov'eva, N. F., 19.4-748
Jaworska, M., 19.12-798
Hydrochemistry of sea water
Volostnyzh, B. V. et al., 19.1-546
Norina, A. M., 19.12-701
Hydroclimatic data
Glukh, I. S., 19.11-791
Hydroclimatology of West Siberia
Karnatsevich, I. V., 19.11-424
Hydrodynamic anomalies
Kissin, I. G., 19.12-9
Hydrodynamic emissions
Troitskaia, V. A. et al., 19.7-537
Hydrodynamic equations
Repnev, A. I., 19.1-157
Gubin, V. I., 19.12-185
Kirwan, A. D., Jr., 19.12-186
Hydrodynamic theory of climate
Blinova, E. N., 19.10-176
Hydrodynamical channel equations
Rockwell, D. C., 19.8-765
Hydrodynamics textbooks
Vallentine, H. R., 19.5-2
Hydroelectric power plant reservoirs
Hall, W. A. et al., 19.11-795
Hydroelectric power stations
Elakhovskii, S. B., 19.3-111
Hydrogen alpha line
Fishkova, L. M. et al., 19.2-148
Harang, O. et al., 19.4-398
Hydrogen alpha line in solar spectra
Rompolt, B., 19.3-592
Hydrogen escape from atmosphere
Chamberlain, J. W. et al., 19.1-135
Hydrogen excitation in solar prominences
Geichenko, M. S., 19.1-497

Hydrogen generators
  Rybakov, E. T., 19.8-160
Hydrogen in geocorona
  Fishkova, L. M. et al., 19.2-148
Hydrogen in Jovian atmosphere
  Beckman, J. E., 19.1-490
Hydrogen in thermosphere
  Joseph, J. H., 19.3-144
Hydrogen in upper air
  Fishkova, L. M. et al., 19.8-248
Hydrogen in upper atmosphere
  Fishkova, L. M. et al., 19.2-148
Hydrogen night sky emission
  Shefov, N. N. et al., 19.10-584
Hydrogen sulfide in sea water
  Alekseev, L. M., 19.11-715
Hydrogeology
  Piguzova, V. M. et al., 19.3-696
  Zektser, I. S. et al., 19.3-699
  Johnson, A. I., 19.3-713
  Internat. Symp. on Forest Hydr., Pa. State Univ., Aug. 29-Sept. 10, 1965, 19.5-18
Hydrogeology of Edwards Plateau, Texas
  Blank, H. R. et al., 19.6-803
Hydrogeology of Illinois, United States
  Brueckmann, J. E. et al., 19.6-804
Hydrogeology of Jicarilla Apache Indian Reservation, New Mexico
  Baltz, E. H. et al., 19.4-757
Hydrogeology of Punjab, Pakistan
  Greenman, D. W. et al., 19.11-813
Hydrogeology of Ute Mountain Indian Reservation, Colorado and New Mexico
  Irwin, J. H., 19.5-15
Hydrogeology of Weber Delta District, Utah
  Feth, J. H. et al., 19.6-805
Hydrogeology of west-central South Carolina
  Siple, G. E., 19.5-763
Hydrogeothermy
  Frolov, N. M., 19.12-12
Hydrograph calculations
  Linsley, R. K., 19.2-285
  Vazhnov, A. N., 19.3-684
  Roche, M., 19.6-392
  Fischer, J., 19.7-779
Hydrographic analysis
  Nederlandse Centrale Organisatie voor Toegepast-Natuurwet. Onderz. Com. voor Hydrol. Onderz., 19.8-22
Hydrographic investigations
  Drennan, K. L., 19.6-638
Hydrographic observations
  Buckwalter, G. E., 19.1-585
Hydrographic yearbooks
  France. Service Hydrographique de la Marine, 19.7-708
Hydrography textbooks
  Fedoseev, I. A., 19.7-10
Hydrologic analysis techniques
  Wallis, J. R., 19.11-786
Hydrologic atlases
  Stachy, J., 19.12-784
Hydrologic balance
  Orieux, A. et al., 19.11-806
Hydrologic balance of watersheds
  Wallace, D. E. et al., 19.10-786
Hydrologic calculations
  Benson, M. A. et al., 19.3-679
  Matalas, N. C., 19.3-681
  Sitnikov, V. K., 19.6-739
  Filotti, A. et al., 19.7-361
  Dordea, A. et al., 19.10-412
Hydrologic cycle
  Ludlam, F. H., 19.1-132
  Papai, G., 19.1-273
  Hsu, S. Y., 19.2-262
  Szepesi, A., 19.2-597
  Keller, R., 19.5-10
  U. S. Environ. Sci. Serv. Admin., 19.6-40
  Fedoseev, I. A., 19.7-10
  Eriksson, E., 19.12-377
Hydrologic data
  Annuaire Hydrol. de Belgique, Brussels, 1960, 19.8-93
  Trotti, L., 19.9-734
  Iorns, W. V. et al., 19.9-843
  U.N. Commit. for Coord. of Invest. of..., 19.10-23
  Hely, A. G. et al., 19.12-72
Hydrologic data analysis
  Dement'ev, N. F., 19.11-788
Hydrologic data analysis techniques
  Rodriguez Iturbe, I., 19.3-682
Hydrologic data catalogs
  U. S. Geological Survey. Office of Water Data Coordination, 19.7-780
Hydrologic data processing
  Chemerenko, E. P., 19.9-808
  Dement'ev, N. F., 19.11-787
  Dimaksian, A. M. et al., 19.11-789
  Grigor'ev, V. I. et al., 19.11-790
Hydrologic engineering
  Garbrecht, G. et al., 19.10-41
Hydrologic equipment
  Ingols, R. S., 19.6-736
Hydrologic forecasting
  Heinrichsdorf, F., 19.1-122
  Il'in, I. A., 19.11-143
  Hladny, J. et al., 19.12-135
Hydrologic forecasting textbooks
  Lambor, J., 19.6-1
Hydrologic forecasts
  Popov, E. G., 19.9-235
Hydrologic instruments
  Schaefer, H., 19.3-685
Hydrologic investigations
  Kirwald, E., 19.2-261
  U. S. Geological Survey. Office of Water Data Coordination, 19.7-780
Hydrologic mapping
  Sokolov, A. A., 19.11-784
Hydrologic measurement techniques
  Dimaksian, A. M. et al., 19.11-789
Hydrologic measurements
  Kaessaris, N. S., 19.12-804
Hydrologic models
  More, R. J., 19.5-767
  Ben-Zvi, A. et al., 19.10-411
  Fiering, M. B., 19.12-780
  Liao, K. H. et al., 19.12-781
  Harder, J. A., 19.12-799
Hydrologic progress
  Yevdjevich, V., 19.7-782
Hydrologic regime
  Bogdanova, A. K. et al., 19.9-767
Hydrologic regime—frontal zone position relationships
  Bogdanov, M. A., 19.3-44
Hydrologic regime—sea productivity relationships
  Bogdanova, A. K., 19.10-737
Hydrologic regions
  Kuzin, P. A., 19.11-785
Hydrologic research
  Miller, D. H., 19.2-37
  Haney, W. A., 19.3-15
  Kresser, W., 19.3-675
  Mikulski, Z., 19.5-334
  Bertle, F. A. et al., 19.6-73
  Chow, V. T., 19.9-809
  Kneese, A. V. et al., 19.10-14
  Del Arenal C., R., 19.11-78
  Schultz, G. A., 19.11-783
  Oliveira Boleo, J. de 19.12-782
Hydrologic research projects
  Da Costa, J. A., 19.3-14
Hydrologic services
  Bock, P., 19.6-733
Hydrologic statistics
  U. S. Geological Survey. Office of Water Data Coordination, 19.7-780
Hydrologic studies
  Bruce, J. P. et al., 19.7-34

Hannaford, J. F. et al., 19.7-404
Yevdjevich, V., 19.7-782
Ward, R. C., 19.9-816
Hydrologic surveys
Mikulski, Z., 19.5-334
Stachy, J., 19.6-793
Hydrologic symposia
Schultz, G. A., 19.11-783
Hydrologic tracers
Dincer, T., 19.9-862
Fontes, J. C. et al., 19.10-426
Eriksson, E., 19.12-377
Hydrologic yearbooks
U.N. Commit. for Coord. of Invest. ..., 19.10-23
Hydrology
Ahmad, N., 19.3-677
Mahmood, K., 19.3-678
International Symposium on Forest Hydrology, Penna. State Univ., Aug. 29-Sept. 10, 1965, 19.5-18
Raikes, R., 19.6-14
Biswas, A. K., 19.7-777, 778
Advances in Hydroscience, N. Y. Academic Press, 1967, 19.9-34
Intl. Hydro. Decade, Czechoslavak Natl. Comm. for the IHD, 19.11-35
Hydrology abstracts
Selected Water Resources Abstracts, 19.11-58
Hydrology bibliographies
Meteorology and Hydrology, No. 1, (Jan), 1967, 19.3-28
Dickinson, W. T. et al., 19.3-287
Tennessee Valley Authority. Div. of Navigation Development, 19.5-771
Int. Assoc. of Sci. Hydr., 19.7-45
Hydrology manuals
Tessman, N. F., 19.7-25
Hydrology monographs
Kalinin, G. P., 19.11-13
Hydrology of Carpathian Basin, Hungary
Szepesi, A., 19.2-597
Hydrology of Eastern Siberia, Asiatic R.S.F.S.R.
Astrakhantsev, V. I. et al., 19.6-767
Hydrology of French Guiana
Hiez, G. et al., 19.10-8
Hydrology of Harrison County, Mississippi
Newcombe, R., Jr. et al., 19.11-14
Hydrology of King County, Washington
Richardson, D. et al., 19.7-825
Hydrology of Lake Laach area, Fed. Rep. of Germany
Henning, I., 19.9-8
Hydrology of northern California
Rantz, S. E. et al., 19.2-593
Hydrology of Oak Ridge, Tennessee
McMaster, W. M., 19.3-676
Hydrology of Poland
Stachy, J., 19.12-784
Hydrology of Sevier Basin, Utah
Bjorklund, L. J., 19.11-812
Hydrology of southeastern New Mexico, United States
Motts, W. S., 19.12-810
Hydrology of Utah, United States
U. S. Soil Conservation Serv., Wash., D.C., 19.11-793
Hydrology textbooks
Ward, R. C., 19.5-3
Keller, R., 19.5-10
Kartvelishvili, N. A., 19.9-9
Hydrology yearbooks
Annuaire Hydrol. de Belgique, Brussels, 1960, 19.8-93
Hydromagnetic disturbances
Van'ian, L. L. et al., 19.5-523
Hydromagnetic disturbances in magnetosphere
Anderson, K. A. et al., 19.7-611
Hydromagnetic emission theories
Kato, Y. et al., 19.8-583
Hydromagnetic emissions
Gokhberg, M. et al., 19.3-478
Fraser-Smith, A. C., 19.5-518
Hydromagnetic emissions from magnetosphere
Fraser, B. J., 19.6-536
Kato, Y. et al., 19.8-583
Hydromagnetic emissions–magnetosphere relationships
Gendrin, R., 19.6-549
Hydromagnetic instabilities
Kimura, I. et al., 19.8-585
Hydromagnetic resonance
Pneuman, G. W., 19.9-708
Hydromagnetic wave propagation
Abraham, B. (S.), 19.5-512
Fraser-Smith, A. C., 19.5-518
Barnes, A., 19.6-547
Hydromagnetic wave propagation in ionosphere
Manchester, R. N., 19.10-618
Hydromagnetic wave propagation in magnetosphere
Okuzawa, T., 19.1-435
Patel, V. L., 19.11-580
Prikner, K., 19.11-581
Hydromagnetic wave–solar wind relationships
Beard, D. B., 19.7-623
Hydromagnetic waves
Gerwin, R., 19.6-537
Van'ian, L. L. et al., 19.9-641
Hruskova, J., 19.12-489
Dungey, J. W., 19.12-545
Hydromagnetic waves in ionosphere
Ogawa, T., 19.1-454
Sorenson, W. R., 19.4-451
Hydromagnetic waves in magnetosphere
Kimura, I. et al., 19.8-585
Hydrometeorological conferences
Zanker, K., 19.9-812
Hydrometeorological data
Konstantinov, A. R., 19.9-121
Hydrometeorological data analysis
Logvinov, K. T., 19.11-125
Hydrometeorological data transmission
Kamyshnikov, V. V., 19.11-172
Hydrometeorological forecasting
Hladny, J. et al., 19.12-135
Hydrometeorological instruments
World Meteorological Organiz. Commiss. for Hydrometeorology, 19.1-106
Symp. on Hydromet. of India..., March, 1964, 19.8-21
Danilin, A. I., 19.8-126
Dimaksian, A. M. et al., 19.11-144
Hydrometeorological measurement techniques
World Meteorological Organiz. Commission for Hydrometeorology, 19.1-106
Danilin, A. I., 19.8-126
Hydrometeorological networks
Pogrebniak, P. S., 19.12-69
Hydrometeorological regime
Schmuck, A., 19.11-711
Hydrometeorological research
Miller, D. H., 19.2-37
Striffling, M., 19.5-335
Clark, R. H. et al., 19.6-734
Kato, T. et al., 19.7-362
Takenouchi, T., 19.7-781
Hydrometeorological services
Baidal, M. Kh. et al., 19.10-454
Hydrometeorological studies
Simons, W. D., 19.6-308
Ghose, S. K., 19.7-417
Pirozhnyi, N. A., 19.8-17

Hydrometeorology
Internat. Symp. on Forest Hydr., Pa. State Univ., Aug. 29-Sept. 10, 1965, 19.5-18
Hydrometeorology bibliographies
Paulhus, J. L. H., 19.9-75
Hydrometeorology of India symposium
Symp. on Hydromet. of India..., March, 1964, 19.8-21
Hydrometeorology textbooks
Vaisman, G. M., 19.7-1
Hydro-optical properties
Gohs, L., 19.11-713
Hydrophone location
Vaas, A. E., 19.4-627
Hydrophones
Undersea Technology, Wash., D.C., Aug. 1966, 19.5-632
Smith, C. H., 19.11-703
Hydrospheric formation
Cloud, P. E., Jr., 19.11-383
Hydrostatic equilibrium
Stephens, J. J., 19.7-266
Hydrostatics equations
Panofsky, H. A., 19.7-26
Hydroxyl (OH) emission band intensities
Kvifte, G. J., 19.3-414
Hydroxyl (OH) emissions
Maeda, K., 19.10-575
Shefov, N. N. et al., 19.10-584
Hygrometer accuracy
Jones, F. E., 19.7-151
Hygrometry handbooks
Sonntag, D., 19.8-29
Hygroscopic nuclei
Ramana Murthy, Bh. V. et al., 19.6-378

I

ICAO All Weather Operations Panel
International Civil Aviation Organization, Montreal, ICAO Bulletin, 19.10-49
ICAO meetings
Schwarz, U., 19.4-8
IFYGL, *see* **International Field Year for the Great Lakes**
IGC glaciological program
IGY, 1957/1958, 19.5-22
IGY aerological cross sections
Heise, G., 19.6-115
IGY Antarctic data
Dolgin, I. M. et al., 19.11-136
IGY Arctic data
Dolgin, I. M. et al., 19.11-136
IGY atmospheric circulation investigations
Van Loon, H., 19.2-166
IGY auroral observations
Fel'dshtein, Ia. I., 19.10-567
IGY geomagnetic measurements
Malin, S. R. C., 19.3-462
Zhigalov, L. N., 19.9-54
IGY geomagnetic observations
Malin, S. R. C., 19.1-433
IGY glaciological program
IGY, 1957/1958, 19.12-22
IGY magnetic data
Nemtsova, E. I., 19.3-469
Troshichev, O. A., 19.3-470
Bazarzhapov, A. D. et al., 19.3-471
Malin, S. R. C., 19.11-569
IGY Meteorological program
IGY, 1957/1958, 19.5-16
IGY radioactivity networks
Giorgi, M. et al., 19.9-297
IGY World Weather Map Project
Rodewald, M., 19.5-87
IGY, *see also* **International Geophysical Year**
IMP 1 magnetic field experiment
Ness, N. F., 19.11-563
IQSY atmospheric radioactivity measurements
Rossi, V., 19.11-283
IQSY auroral programs
Jacka, F. et al., 19.8-542
IQSY auroral studies
Starkov, G. V. et al., 19.2-409
IQSY calendar
IQSY Notes, 19.10-106
IQSY comet observational program
Vsekhsviatskii, S. K. et al., 19.8-667, 668
IQSY conference
Rakipova, L. R., 19.5-86
IQSY cosmic ray program
Carmichael, H., 19.8-552
IQSY data
Giorgi, M., 19.4-16
IQSY geomagnetic observations
Afonina, R. G. et al., 19.5-503
IQSY instruction manuals
Minnis, C. M., 19.8-38
Shea, M. A. et al., 19.9-40
IQSY ionosphere program
Geisweid, K. H. et al., 19.7-504
Lincoln, J. V., 19.8-518
Piggott, W. R. et al., 19.8-525
Rawer, K., 19.8-526
IQSY ionospheric investigations
IQSY. Japanese National Committee, 19.5-406; 19.6-486
Thrane, E. V. et al., 19.6-504
IQSY meteorological program
Peeters, J., 19.9-50
IQSY night airglow observations
Roach, F. E., 19.8-548
IQSY program
IQSY, 4th Assembly, 1967, 19.10-107, 108, 109, 110, 111, 112, 113, 114, 115
Internatl. Years of the Quiet Sun. Japanese National Committee, 19.2-28
Giorgi, M., 19.4-16
Internatl. Geophysical Committee. Commissione Italiana, 19.4-17
Minnis, C. M., 19.8-18
Shapley, A. H., 19.9-158
Internatl. Yrs. of the Quiet Sun, 1964-1965, 19.9-407
Konopleva, V. P. et al., 19.9-697
See also **U. S. IQSY Programs**
IQSY solar activity program
Ellison, M. A., 19.8-670
IQSY solar flocculi data
Godoli, G. et al., 19.7-696
IQSY solar plage data
Godoli, G., 19.5-26
IQSY solar radio noise data
Fokker, A. D., 19.8-638
IQSY upper atmosphere program
Peeters, J., 19.9-50
IQSY, *see also* **International Years of the Quiet Sun, 1964-1965**
IUGG conference reports
Natl. Research Council, Wash., D.C., U. S. Natl. Committee, 19.2-38
IUGG meetings
Natl. Res. Counc., Wash., D.C. U. S. Natl. Comm. for the I.U.G.G., 19.9-49
Ice accumulation on ships
Tabata, T. et al., 19.9-491
Ono, N., 19.9-492
Ice age theories
Weyl, P. K., 19.11-491
Ice ages
Frenzel, B., 19.6-15
Ice avalanches
Haefeli, R., 19.3-334
Morales, B., 19.3-347
Ice breakers
Kirillov, A. A. et al., 19.4-709
Kashtelian, V. I. et al., 19.6-701
Ice breaking techniques
Kirillov, A. A. et al., 19.4-709
Peschanskii, I. S., 19.12-760
Ice cap accumulation
Koerner, R. M., 19.3-671
Ice cap surveys
Spector, A., 19.7-763
Ice cap thickness
Spector, A., 19.7-763
Ice caps
Mellor, M. et al., 19.10-774

Ice column growth
Horiguchi, K., 19.9-803
Ice columns
Horiguchi, K., 19.9-803
Ice cover effects on discharge wave propagation
Rusinov, M. I., 19.7-96
Ice cover structure
Peyton, H. R., 19.10-771
Ice creep under stress
Dillon, H. B. et al., 19.11-756
Vialov, S. S., 19.11-770
Ice crystal deformation
Glen, J. W. et al., 19.11-757
Wakahama, G., 19.11-772
Ice crystal diffracting properties
Ushiki, H. et al., 19.12-334
Ice crystal dislocation
Webb, W. W. et al., 19.8-447
Wakahama, G., 19.11-772
Ice crystal formation
Schaefer, V. J., 19.9-486
Berg, T. G. O. et al., 19.9-490
Odencrantz, F. K., 19.9-518
Levi, L. et al., 19.12-386
Ice crystal formation in clouds
Koenig, L. R., 19.6-379
Schaefer, V. J., 19.9-486
Pruppacher, H. R., 19.10-401
Mossop, S. C. et al., 19.12-338
Ice crystal formation in corn-borer larvae
Asahina, E. et al., 19.7-377
Ice crystal formation in hypercooled water
Macklin, W. C. et al., 19.7-379
Ice crystal formation in sucrose solutions
Macklin, W. C. et al., 19.7-379
Ice crystal formation in supercooled water
Pruppacher, H. R., 19.8-750; 19.10-401
Ice crystal forms
Levi, L. et al., 19.6-374
Kumai, M., 19.7-765
Levi, L. et al., 19.12-386
Ice crystal growth
Levi, L. et al., 19.6-374
Maeno, N., 19.6-708
Pruppacher, H. R., 19.8-750
Kachurin, L. G. et al., 19.9-484
Schneider, G. R. et al., 19.10-772
Podzimek, J., 19.11-463
Higashi, A., 19.11-759, 760
Maeno, N. 19.11-765
Ketcham, W. M. et al., 19.12-329
Kobayashi, T., 19.12-383
Ice crystal growth rate
Macklin, W. C. et al., 19.7-379
Ice crystal nucleation
Otsuka, K. et al., 19.7-430
Goyer, G. G. et al., 19.12-327
Ice crystal orientation
Higuchi, K. et al., 19.12-382
Ice crystal samplers
Mossop, S. C. et al., 19.2-277
Ice crystal structure
Kachurin, L. G., 19.9-484
Yosida, Z., 19.12-388
Mae, S., 19.12-769
Ice crystal studies
Vittori, A. O. et al., 19.2-272
Ramseier, R. O., 19.4-727
Otsuka, K. et al., 19.7-430
Ice crystallization
Luyet, B., 19.11-763
Ice crystallographic orientation
Ketcham, W. M. et al., 19.12-329
Ice crystallographic studies
Kumai, M., 19.7-765
Ice crystallography
Suzuki, Y., 19.12-387
Yosida, Z., 19.12-388
Ice crystals in clouds
Mossop, S. C. et al., 19.2-277
Koenig, L. R., 19.6-379
Hitschfeld, W., 19.9-248
Ice deformation
Webb, W. W. et al., 19.8-447
Mellor, M. et al., 19.10-774
Dillon, H. B. et al., 19.11-756
Gold, L. W., 19.11-758
Vialov, S. S., 19.11-770
Ice depth calculation techniques
Buzuev, A. Ia., 19.5-713
Ice distribution, northern Barents Sea
Novitskii, V. P., 19.8-729
Ice distribution forecasting
Sokolov, A. L. et al., 19.12-752
Ice drift
Bushuev, A. V. et al., 19.1-575
Kagan, B. A., 19.4-708
Blinov, N. I. et al., 19.5-708
Timokhov, L. A., 19.10-776
Gudkovich, Z. M. et al., 19.11-745
Ice drift calculations
Mikhailova, E. N. et al., 19.4-701
Zakharov, V. F., 19.4-702
Ice drift determination
Leont'ev, E. B., 19.2-250
Beliakov, L. N., 19.4-699
Ice drift forecasting
Nikiforov, E. G. et al., 19.1-265
Murzin, A. I. et al., 19.6-703
Ice drift measurement techniques
Beliakov, L. N., 19.4-699
Ice drift theories
Gudkovich, Z. M. et al., 19.11-748
Timokhov, L. A., 19.11-753
Ice drift trajectories
Gudkovich, Z. M., 19.4-700
Ice drift–wind relationships
Leont'ev, E. B., 19.2-250
Gudkovich, Z. M., 19.5-709
Ice effects on lake temperatures
Bilello, M. A., 19.7-784
Ice engineering research
Mellor, M. et al., 19.10-774
Ice etching
De Micheli, S. M., 19.11-755
Ice floe breakup
Nikolaev, Iu. V. et al., 19.6-704
Ice floe size distribution
Nikolaev, Iu. V. et al., 19.6-704
Ice floe studies
Gudkovich, Z. M. et al., 19.11-748
Itagaki, K., 19.11-777
Ice floes
Bushuev, A. V. et al., 19.1-575
Ice fog formation
Ohtake, T., 19.12-341
Ice formation
FitzPatrick, E. A., 19.10-312
Ice formation in clouds
Koenig, L. R., 19.9-498
Ice formation on lakes
Marshall, E. W., 19.6-727
Ice fractures
Kudriavtsev, N. F., 19.2-249
Ice glossaries
Armstrong, T. et al., 19.2-47
Ice growth physics
Siegel, R. et al., 19.9-801
Ice layer growth
Siegel, R. et al., 19.9-801
Ice measuring instruments
Aamot, H. W. C., 19.10-768
Ice mechanics
Timokhov, L. A., 19.1-579
Ice melting
Cook, R. G. et al., 19.7-776
Ice melting prevention
Herrmann, M. R. et al., 19.12-415
Ice nucleability
Hamilton, W. C. et al., 19.11-239
Ice nucleating properties of silver iodide
Edwards, G. R. et al., 19.7-208
Ice nucleation
Anderson, D. M., 19.4-320
Ice nucleation measurement techniques
Hervier, R. et al., 19.2-101
Ice nuclei
Rosinski, J., 19.3-289
Ramana Murthy, Bh. V. et al., 19.6-378

Ice nuclei concentration
Nagamoto, C. T. et al., 19.4-324
Ice nuclei counters
Steele, R. L. et al., 19.3-96
Facilities for Atmospheric Research, 19.5-135
Ice nuclei distribution
Georgii, H. W. et al., 19.9-263
Ice nuclei formation
Hogan, A. W., 19.3-276
Isaka, H. et al., 19.9-488
Ice nuclei sources
Schaefer, V. J., 19.5-173
Morgan, G. M., Jr., 19.7-381
Langer, G., 19.11-266
Paterson, M. P., 19.11-436
Schaefer, V. J., 19.11-460
Ice observation techniques
Bilello, M. A. et al., 19.6-152
Ice particle growth
Dzhgamadze, O. S. et al., 19.6-367
Ice particles in clouds
Morris, T. R. et al., 19.11-437
Mossop, S. C. et al., 19.12-338
Ice physics
Timokhov, L. A., 19.1-579
Goulson, C. A. et al., 19.6-707
Macklin, W. C. et al., 19.7-379
Ice properties
Timokhov, L. A., 19.1-579
Ice property measurement techniques
Eiben, K. et al., 19.7-764
Aamot, H. W. C., 19.10-768
Ice reconnaissance
Knapp, W. W., 19.12-759
Ice recrystallization
Luyet, B., 19.11-764
Ice regime of coastal waters
Knapp, W. W., 19.12-759
Ice removal
Natl. Res. Counc. of Canada. Assoc. Comm. on Geotech. Res., 19.9-517
Ice research equipment
Bilello, M. A. et al., 19.6-152
Ice runways
Abele, G. et al., 19.12-391
Ice sheet accumulation
Mock, S. J., 19.4-731, 732
Ice sheet accumulation forecasting
Mock, S. J., 19.4-731
Ice sheet dynamics
Shumilov, N. A., 19.1-581
Ice sheet motion
Ivanov, V. B., 19.2-588
Ice sheet properties
Nevel, D. E., 19.2-583
Ice sheet topography
Robin, G. de Q., 19.2-589
Ice sheets
Bigarella, J. J. et al., 19.7-768
Robinson, E. S., 19.7-769
Weidick, A., 19.9-802
Ice shelf movement
Kruchinin, Iu. A., 19.3-666, 667
Ice solidification
Timokhov, L. A., 19.1-579
Ice strength
Bailey, I. H. et al., 19.1-578
Ice stress
Mellor, M. et al., 19.10-774
Vialov, S. S., 19.11-770
Voitkovskii, K. F., 19.11-771
Shumskii, P. A., 19.11-779
Ice structure
Brill, R. et al., 19.8-749
Ice studies
Peyton, H. R., 19.10-771
Ice technology
Peschanskii, I. S., 19.1-12
Ice temperature coefficients
Brill, R. et al., 19.8-749
Ice temperatures
Weller, G., 19.4-715
Ice terminology
Armstrong, T. et al., 19.2-47
Weidick, A., 19.9-802
Dunbar, M., 19.10-770
Ice thermoelectricity
Takahashi, T., 19.11-769
Ice thickness measurement techniques
Buzuev, A. Ia., 19.5-713
Roethlisberger, H., 19.6-730
Jiracek, G. R., 19.10-769
Ice topography
Canada. Met. Branch, 19.9-799
Ice waves
Smirnov, V. N., 19.4-712
Iceberg distribution
Jelly, K. C. P. et al., 19.4-705
Leont'ev, E. B., 19.5-710
Iceberg effect on shore ice
Leont'ev, E. B., 19.5-710
Iceberg structure
Kusunoki, K., 19.11-746
Icebergs
Rodewald, M., 19.7-774
Icelandic low
Abramov, R. V., 19.1-187
Maksimov, I. V. et al., 19.4-226; 19.11-324
Icing forecasting
Sawada, T., 19.5-151
Icing of aircraft
Tovornik, M., 19.4-32
Icing of automatic weather stations
Godier, R., 19.4-170
Icing of radiosonde balloons
Morel, P. et al., 19.12-340
Icing of ships
Sawada, T., 19.5-151
Vasil'eva, G. V., 19.8-421
Shekhtman, A. N., 19.10-405
Icing of underwater structures
Williams, G. P., 19.8-448
Icing of wires
Raevskii, A. N., 19.1-290
Kiss, E., 19.6-380
Icing prevention
Godier, R., 19.4-170
Williams, G. P., 19.8-448
Icing research
Morel, P. et al., 19.12-340
Illumination calculations
Kostov, K. D., 19.4-249
Illumination data
Popovics, M., 19.6-453
Illumination effects on plankton
Timofeeva, V. A., 19.2-549
Illumination effects on rice growth
Chernysheva, L. S., 19.8-57
Incoherent scattering of radio waves
Baron, M. et al., 19.2-61
Indian monsoon
Keshava Murty, R. N., 19.5-197
Ramaswamy, C., 19.9-151
Indium content of Sun
Dubov, E. E. et al., 19.7-701
Indoor air properties
Burke, T. P. et al., 19.11-497
Indoor climate control
Hardy, A. et al., 19.10-473
Indoor climates
Kovaleva, T. E. et al., 19.11-498
Indoor temperatures
Lee, J. F., 19.6-316
Induction effects determination
Price, A. T., 19.10-605
Industrial aerosols
Langer, G., 19.11-266
Industrial atmospheric pollution
Szepesi, D., 19.1-151
Coe, E. L., Jr. et al., 19.2-136
Berliand, M. E., 19.6-198
Skvortsova, N. N. et al., 19.10-196
Houtermans, J. et al., 19.10-224
Industrial climatology
Malysheva, A. E., 19.11-499
Industrial meteorology
Czelnai, R., 19.6-81
Industrial plant effects on precipitation
Industrial Research, 19.11-253
Inertia currents
Robinson, A. R. et al., 19.5-675
Infiltration
Tamers, M. A., 19.10-475

Infiltration analysis
  Kulik, V. Ia., 19.9-527
  Childs, E. C., 19.9-867
Infiltration capacity of soils
  Galushchenko, N. G., 19.9-869
Infiltration rates
  Okunishi, K., 19.3-293
Infiltration theories
  Kulik, V. Ia., 19.9-527
Information referral service for instruments
  Scherago, E. J., 19.2-26
Infrared absorption hygrometers
  Saporte, R. et al., 19.9-182
Infrared astronomy
  Hoffmann, W. F. et al., 19.1-460
Infrared auroral emissions
  Stair, A. T., Jr. et al., 19.2-418
Infrared coronal emission lines
  Muench, G., 19.5-606
Infrared emission measurements
  Weiss, M., 19.2-90
  Griggs, M. et al., 19.8-327
Infrared instruments
  Weiss, M., 19.2-90
  Jones, E. W., 19.10-643
Infrared lunar radiation
  Wildey, R. L. et al., 19.3-550
  Six, N. F., 19.11-345
  Snoddy, W. C. et al., 19.11-346
Infrared measurement of sea surface temperatures
  Drennan, K. L., 19.4-676
infrared radiation
  Weiss, M., 19.2-90
  MacQueen, R. M., 19.10-704
Infrared radiation absorption by water vapor
  Kiseleva, M. S. et al., 19.8-333
Infrared radiation balance
  Peterson, J. T. et al., 19.11-348
Infrared radiation calculations
  Niilisk, K., 19.6-300; 19.7-105
Infrared radiation flux
  Niilisk, K. et al., 19.6-301
Infrared radiation instruments
  Rubin, L., 19.8-620
Infrared radiation measurements
  Jalink, A., Jr. et al., 19.11-344
Infrared radiation thermometers
  Weiss, M., 19.2-90
Infrared radiative cooling
  Johnson, D. R., 19.6-255
Infrared radiometric measurement of sea surface temperature
  Wilkerson, J. C., 19.10-747
Infrared radiometry
  Krishna, Menon, V. et al., 19.3-206
Infrared recorders
  Holter, M. R. et al., 19.10-136
Infrared reflectivity of ice clouds
  Hansen, J. E. et al., 19.12-593
Infrared refraction
  Iakushevskaia, K. E., 19.1-215
Infrared sky radiance measurements
  MacQueen, R. M., 19.9-281
Infrared spectra
  Niilisk, K. et al., 19.6-301
Infrared spectroscopy
  Huppi, E. R., 19.7-560
  Hamilton, W. C. et al., 19.11-239
Infrared technology in space research
  Jones, E. W., 19.10-643
Infrared transmission
  Vasil'chenko, N. V. et al., 19.1-213
Infrared transmission through clouds
  Irvine, W. M., 19.1-288
  Fritz, S. et al., 19.3-56
Infrasonic pressure waves
  Down, W. L., 19.4-275
  Wilson, C. R., 19.4-469
Infrasonic wave propagation
  Meecham, W. C., 19.5-254
Inland ice
  Weidick, A., 19.9-802
Inland seas
  Kunin', V. N., 19.5-702
Inner radiation belts
  Frank, L. A. et al., 19.6-539
  Galperin, Iu. I. et al., 19.8-591
  Vampola, A. L., 19.9-630
  Kuck, G. A., 19.10-624
Inner zone electron investigations
  Rosen, A. et al., 19.8-592
Inorganic phosphate in lake water
  Rigler, F. H., 19.9-819
Insect control
  Rhoades, W. C. et al., 19.1-328
Insect ecology
  Rhoades, W. C. et al., 19.1-328
  Edney, E. B., 19.6-450
Insecticide in runoff water
  Epstein, E. et al., 19.12-812
Insecticides
  Rhoades, W. C. et al., 19.1-328
Insolation calculations
  Zanetti, R., 19.5-217
  Ohmura, A., 19.10-85
  Quinn, W. H. et al., 19.11-351
Instability
  Kuwabara, S., 19.10-240
  Komoda, H., 19.10-333
  Fultz, D. et al., 19.12-196
Instability effects
  Faller, A. J. et al., 19.10-370
Instability line formation
  Kusano, H., 19.10-273
Instability of magnetospheric tail
  Sakurai, K., 19.3-517
Instability waves
  Hoiland, E. et al., 19.12-180
Instruction for observers
  U. S. Air Weather Service, 19.7-27
  Minnis, C. M., 19.8-18, 38
Instrument accuracy
  Rylov, Iu. A., 19.1-412
  Dimaksian, A. M. et al., 19.11-144
Instrument calibration
  Beckman, J. C., 19.3-84
Instrument catalogs
  Scherago, E. J., 19.2-26
Instrument comparisons
  Weiss, B. D., 19.9-7
Instrument conferences
  Instrument Society of America, 22nd Conference, Chicago, Sept. 11-14, 1967, 19.4-9
  Vsesoiuz. Nauch. Met. Sovesh., 1st, Leningrad, 1961, 19.9-24
Instrument design
  Winter, E. J. et al., 19.9-183
Instrument development
  Deutsch, L. P. et al., 19.9-210
Instrument failure
  Truppi, L. E., 19.9-450
Instrument performance
  Hirschfeld, T., 19.8-156
  Kaykaty, G. N., 19.9-362
Instrument standardization
  Lamb, R. C. et al., 19.1-98
  Beckman, J. C., 19.3-84
Instrument terminology
  Beckman, J. C., 19.3-84
Instrument tests
  Lamb, R. C. et al., 19.1-98
  Seemuller, W. W. et al., 19.12-99
Instrumental errors
  Glasko, V. B. et al., 19.12-245
Insurance meteorology
  Journal of American Insurance, Chicago, Sept./Oct. 1967, 19.6-185
Interaction between atmospheric layers
  Vassy, A., 19.9-267
Inter-American Meteorological Rocket Network
  Bettle, J. F. et al., 19.10-95
Interdiurnal pressure height changes
  Yang, C. C., 19.9-396

Interdiurnal pressure variations
Yang, C. C., 19.9-396
Bayer, K., 19.12-265
Interdiurnal sea level variations
Lisitzin, E., 19.10-720
Interdiurnal temperature variations
Yang, C. C., 19.9-396
Interdiurnal upper air temperature variations
Yang, C. C., 19.9-396
Interferometers
Jacobs, H. et al., 19.8-626
Interferometric measurements
Gille, J., 19.6-312
Interhemispheric heat exchange
Iida, M., 19.10-236
Interhemispheric momentum exchange
Iida, M., 19.10-236
Interhemispheric transfer of fission products
Peirson, D. H. et al., 19.8-277
Interlayer temperature differences
Mertsalova, O. B., 19.7-326
Stel'makh, F. N., 19.7-328
Intermediate currents
Boguslavskii, S. G., 19.4-648
Intermediate water circulation
Reid, J. L., 19.4-650
Intermediate waters
Boguslavskii, S. G., 19.4-648
Internal gravity wave effects on ionosphere
Bowman, G. G., 19.12-471
Internal gravity waves
Goodwin, G. L., 19.12-480
Internal sea waves
Glinskii, N. T., 19.2-571
Griscom, C. A., 19.2-572
Tomczak, M., Jr., 19.11-418
Internal wave bibliographies
Ichiye, T., 19.4-27
Internal wave effects on salinity-temperature distribution
Duxbury, A. C., 19.9-787
Internal wave effects on underwater sound
Eden, H. F. et al., 19.5-645
Hansen, P. G. et al., 19.5-648
Internal wave
Cox, C. S., 19.4-698
International Antarctic Meteorological Research Center, Melbourne, Australia
Internatl. Antarc. Met. Res. Ctr., Melbourne, 19.6-48
International Biometeorological Congress, New Jersey, Aug.-Sept. 1966
Internatl. Biomet. Congress, 1966, 19.6-28
International Congress on Alpine Meteorology, Brig, Sept. 1966
Internatl. Congress on Alpine Met., 19.6-24
International cooperation in hydrology
Bock, P., 19.6-733
International cooperation in meteorology
World Meteoro. Organiz., 19.3-13
Stanford Univ. School of Eng., Stanford, Calif., 19.5-156
Cudny, W., 19.6-43
International cooperation in science
NATO. Div. of Scientific Affairs, 19.8-36
International Council for the Exploration of the Sea
Internatl. Counc. for the Explor. of the Sea, 54th Meeting, Copenhagen, Oct. 1966, 19.2-515
Internat. Counc. for the Expl. of the Sea, 19.8-695
International Council of Scientific Unions
Internatl. Counc. of Sci. Unions, Rome, 19.9-45
International Field Year for the Great Lakes (IFYGL)
Richards, T. L., 19.4-749
International Geophysical Calendar, 1967
Giorgi, M., 19.5-25
International Geophysical Year
IGY, 1957/1958, 19.5-16
Belkina, L. M., 19.8-498
Hirling, G., 19.9-268
International Hydrological Decade
DaCosta, J. A., 19.3-14
Haney, W. A., 19.3-15
Clark, R. H. et al., 19.6-734
Glenn, J. W., 19.10-29
International Indian Ocean Expeditions, 1959-1965
Hinzpeter, H., 19.1-201
International Indian Ocean Expedition, 19.2-21
U. S. Natl. Oceanog. Data Center, 19.2-530
World Data Center A /for/ Oceanography, Wash., D.C., 19.3-619
Dietrich, G. et al., 19.3-621
Miller, F. R. et al., 19.4-606
International Norwestlant Expedition 1
Allain, C. et al., 19.4-607
International ozone networks
Baez, A. P., 19.8-90
International polar meeting
Burdecki, F., 19.10-30
International space science symposia
Internatl. Space Science Sympos., 1965, 19.6-32
International Symposia, Moscow, 1965
Internatl. Colloquium on the Fine-Scale Structure, Moscow, June 15-22, 1965, 19.11-37
International Symposium on Noctilucent Clouds, Tallin, Estonian S.S.R., 1966
Internatl. Symp. on Noct. Clouds, Tallin, 1966, 19.7-21
International Years of the Quiet Sun, 1964-1965
IQSY, 1964-1965, 19.1-7
International Years of the Quiet Sun symposia
Journal of Sci. and Ind. Res., New Delhi, June 1967, 19.6-44
Interplanetary conditions
Luest, R., 19.10-655
Interplanetary dust
Symposium on Meteor Orbits and Dust, Cambridge, Mass., Aug. 9-13, 1965, 19.1-20
Shafrir, U. et al., 19.8-472
Singer, S. F., 19.10-656
Divari, N. B., 19.10-692
Interplanetary dust measurements
Konstantinov, B. P. et al., 19.1-142
Alexander, W. M. et al., 19.8-632
Nazarova, T. N. et al., 19.8-664
Interplanetary dust particles
Shapiro, I. I. et al., 19.1-148
Interplanetary dust particles near the Earth
Singer, S. F., 19.10-656
Interplanetary electric field effects
Rostoker, G. et al., 19.11-568; 19.12-526
Interplanetary electric fields
Alfven, H., 19.3-500
Interplanetary electrons
Anderson, K. A., 19.7-621
Interplanetary field effects on geomagnetism
Sigachev, N. I., 19.5-458
Interplanetary flights
Hunter, G. S., 19.11-594
Robertson, R. L., 19.11-596
Interplanetary hydrogen
Kurt, V. G., 19.9-353

Interplanetary magnetic field
Ness, N. F., 19.1-91
Mustel', E. R., 19.1-449
Ness, N. F., 19.2-466
Danilov, A. A., 19.3-536
Davis, L., Jr., 19.3-537
Sakurai, K., 19.3-595, 596
Wilcox, J. M., 19.3-600
Nathan, K. V. S. K. et al., 19.4-491
Gus'kova, E. G. et al., 19.5-582
Beard, D. B., 19.7-623
Dolginov, A. Z. et al., 19.8-556
Kovalevskii, I. V., 19.8-669
Burlaga, L. F., 19.10-654
Mustel', E. R., 19.12-554
Ness, N. F. et al., 19.12-566
Vitkevich, V. V. et al., 19.12-567

Interplanetary magnetic field effects on cosmic rays
Rao, U. R. et al., 19.2-438
Gopasiuk, S. I. et al., 19.3-424
Subramanian, G. et al., 19.3-442
Shishov, V. I., 19.3-538
Nathan, K. V. S. K. et al., 19.4-491
Quenby, J. J., 19.4-497
Nagashima, K. et al., 19.6-525
Dolginov, A. Z. et al., 19.7-566
McCoy, J. E. et al., 19.8-559
Jokipii, J. R. et al., 19.10-590
Bukata, R. P. et al., 19.12-565

Interplanetary magnetic field effects on Earth's rotation
Sigachev, N. I., 19.5-458

Interplanetary magnetic field effects on geomagnetic field
Rudneva, N. M., 19.5-469
Maguire, J. J., 19.11-585

Interplanetary magnetic field effects on solar wind
Hundhausen, A. J. et al., 19.2-464
Kovalevskii, I. V., 19.5-224

Interplanetary magnetic field–geomagnetic activity relationships
Ballif, J. R. et al., 19.1-424
Zelwer, R. et al., 19.1-425
Schatten, K. H. et al., 19.5-505
Kovalevskii, I. V., 19.5-520

Interplanetary magnetic field models
Winge, C. R., Jr. et al., 19.4-536

Interplanetary magnetic field perturbations
Ness, N. F. et al., 19.10-635

Interplanetary magnetic field structure
Dvoriashin, A. S., 19.12-553

Interplanetary media
Burlaga, L. F., 19.10-654
Luest, R., 19.10-655

Interplanetary medium effects on cosmic rays
Gleeson, L. J. et al., 19.2-427
Appa Rao, M. V. K., 19.4-479

Interplanetary plasma
Rossi, B., 19.1-438
Bridge, H. et al., 19.1-446
Vitkevich, V. V., 19.2-508
Okoye, S. E. et al., 19.6-570
Parker, E. N., 19.8-601
Burlaga, L. F., 19.10-654

Interplanetary plasma investigation techniques
Okoye, S. E. et al., 19.6-570

Interplanetary radio wave propagation
Iakovlev, O. I. et al., 19.11-613

Interplanetary shock waves
Gosling, J. T. et al., 19.4-541

Interpolation
Barat, J. et al., 19.1-239

Interpolation errors
Svetlova, T. P., 19.4-62
Sovetova, V. D., 19.9-125

Interpolation formulas
Alekseev, G. V. et al., 19.10-718

Interpolation methods
Snyder, W. M., 19.1-63
Sovetova, V. D., 19.9-125

Interpolation of meteorological data
Tolstikov, E. E. et al., 19.4-61
Svetlova, T. P., 19.4-62
Petersen, D. P., 19.8-7
Gandin, L. S., 19.9-130

Interstellar dust
Johnson, F. M., 19.8-633
Greenberg, J. M. et al., 19.11-40

Interstellar electron density
Habing, H. J. et al., 19.2-428

Interstellar electron temperatures
Field, C., 19.7-638

Interstellar hydrogen
Parthasarathy, R., 19.6-578

Interstellar magnetic fields
Gurzadian, G. A., 19.7-572

Interstellar matter
Middlehurst, B. M. et al., 19.8-25
Johnson, F. M., 19.8-633

Interstellar matter effects
Shakeshaft, J. R. et al., 19.10-669

Interstellar matter effects on cosmic rays
Durgaprasad, N., 19.8-565

Interstellar medium
Middlehurst, B. M. et al., 19.8-25

Interstellar neutral hydrogen density
Storer, S. H. et al., 19.8-690

Interstellar particles
Greenberg, J. M. et al., 19.11-40

Interstellar temperatures
Peimbert, M., 19.6-565

Intertropical convergence zone
Charney, J. G., 19.7-168
Dobryshman, E. M., 19.10-79

Intertropical convergence zone structure
Kruzhkova, T. S., 19.8-728

Intertropical convergence zone variations
Godshall, F. A., 19.8-315

Inversion effects on atmospheric pollution
Manolov, L. et al., 19.1-143
Voloshchuk, V. M., 19.1-153
Lawrence, E. N., 19.2-138
Georgii, H. W. et al., 19.6-202
Reifferscheid, H., 19.6-216
Schwegler, H., 19.7-233
Kelenffy, S. et al., 19.8-230

Inversion effects on ozone
Lea, D. A., 19.7-218

Inversion effects on turbulence
Monin, A. S., 19.9-319

Inversion layers–radioactive fallout relationships
Reiter, R., 19.9-300

Inversion types
Hoinkas, H. C., 19.12-255

Inversions in polar regions
Vowinckel, E. et al., 19.12-256

Inversions in the Alps
Van Husen, G., 19.5-232

Inversions in the troposphere
Hoinkas, H. C., 19.12-255

Iodine content of sea water
Sugawara, K., 19.5-653

Iodine-131 in milk
Bonnyman, J. et al., 19.1-56

Ion-acoustic waves
Poeverlein, H., 19.10-500

Ion composition of lower ionosphere
Narcisi, R. S., 19.9-598

Ion composition of upper atmosphere
Bragin, Iu. A. et al., 19.8-246
Ishikawa, H. et al., 19.10-498

Ion concentration in ionosphere
Sharp, G. W. et al., 19.9-605

Ion concentration in stratosphere
Bragin, Iu. A., 19.1-339
Ion counters
Saks, O. V., 19.11-169
Tammet, Kh. F., 19.12-100
Ion density measurements
Kusumanto, –, et al., 19.10-499
Ion distribution with height
Bragin, Iu. A., 19.1-339
Ion heating
Rees, M. H. et al., 19.10-549
Ion mobility
Keller, G. E., 19.10-537
Ion recombination
Bousquet, C. et al., 19.5-397
Ion temperatures
Rees, M. H. et al., 19.10-549
Ionization density
Liboff, A. R. et al., 19.9-567
Ionization density changes
Vasseur, G. et al., 19.12-511
Ionization irregularities
Hines, C. O. et al., 19.12-487
Ionization measurements
Deleanu, M. et al., 19.11-518
Ionization of gases
Bradley, J. N. et al., 19.5-515
Ionization of sea water
Safford, G. J. et al., 19.9-773
Ionization phenomena
Taylor, H. A., Jr. et al., 19.7-592
Fremouw, E. J. et al., 19.9-612
Ionization variations
Deleanu, M. et al., 19.11-518
Ionized gas physical properties
Yen, J. T., 19.8-537
Ionized meteor trails
Maanders, E. J., 19.5-75
Ionogram analysis
Becker, W., 19.2-337
Bellchambers, W. H., 19.2-338
Eccles, D., 19.2-351
Howe, H. H. et al., 19.2-361
King, J. W. et al., 19.2-366
Paul, A. K., 19.2-377
Taieb, C., 19.2-381
Titheridge, J. E., 19.2-383, 384
Wright, J. W., 19.2-388
Wright, J. W. et al., 19.2-389
Paul, A. K., 19.3-397
Wright, J. W. et al., 19.4-11
Abhirama, Reddy, C., 19.4-403
Paul, A. K. et al., 19.5-418
Barrington, R. E. et al., 19.9-574
Ionogram reduction
Schmerling, E. R., 19.2-379
Ionosonde records
Golovtsyn, V. N. et al., 19.9-579
Jones, K. L., 19.9-590
Ionosondes
Whitehead, J. D. et al., 19.5-138
Violette, E. J. et al., 19.6-158
Ionosphere
Internatl. Sci. Radio Union, 15th, Munich, 1966, 19.9-30
Ionosphere hysteresis
Joachim, M., 19.3-384
Ionosphere–sunspot relationships
Lootens, H. T. et al., 19.6-495
Hirao, K. et al., 19.8-506
Ionospheric ELF propagation
Galejs, J., 19.4-548; 19.12-559
Ionospheric HF radio wave propagation
Videberg, J. et al., 19.2-386
Smith, P. A., 19.6-502
Narayana, R. N., 19.12-503
Ionospheric VHF radio wave propagation
Bowen, E. D. et al., 19.7-496
Ionospheric VLF radio wave propagation
Johler, J. R., 19.6-488
Galejs, J., 19.6-548
Bahar, E., 19.7-494
Sechrist, C. F., Jr., 19.9-604
Carrara, N. et al., 19.10-482
Burgess, B., 19.10-518
Crombie, D. D., 19.10-522
Jones, T. B. et al., 19.10-535
Rasmussen, J. F. et al., 19.10-547
Wait, J. R., 19.10-560
Altman, C. et al., 19.11-525
Jespersen, J. L. et al., 19.12-561
Ionospheric VLF radio wave propagation variations
Earp, C. W., 19.10-523
Ionospheric absorption
Bellchambers, W. H., 19.2-338
Reid, G. C. et al., 19.4-444
Nestorov, G., 19.4-477
Morozumi, H. M., 19.6-567
De Miguel, L., 19.11-533
Ionospheric absorption anomalies
Gloede, P. et al., 19.10-524
Shirke, J. S. et al., 19.10-555
Dieminger, W., 19.11-279
Ionospheric absorption measurement techniques
Chavdarov, S. S. et al., 19.2-344
De Miguel, L., 19.11-533
Ionospheric absorption measurements
IQSY. Japanese National Committee, 19.5-406
Geisweid, K. H. et al., 19.7-504
Ionospheric absorption of cosmic noise
Krishnamurthi, M. et al., 19.3-392
Abdu, M. A. et al., 19.4-402
Krishnamurthi, M. et al., 19.4-430
Ohle, K. H. et al., 19.4-437
Leinbach, H. et al., 19.9-593
Ionospheric absorption variations
Heisler, R. et al., 19.2-357
Lauter, E. A. et al., 19.10-541
Ionospheric anomalies
Jones, K. L., 19.4-425
Katsufrakis, J., 19.7-511
Vila, P., 19.11-545
Ionospheric attenuation
Bennett, S. M. et al., 19.10-516
Ionospheric back scatter
Surtees, W. J., 19.5-425
Ionospheric bibliographies
Wright, J. W. et al., 19.4-11
Ionospheric charge drag on satellites
Knudsen, W. C. et al., 19.10-647
Ionospheric charts
Leftin, M. et al., 19.6-493
Ionospheric chemistry
Danilov, A. D., 19.5-7
Doherty, R. H., 19.7-501
Hunten, D. M. et al., 19.7-510
Ionospheric collisional frequencies
Mechtly, E. A. et al., 19.3-395
King, J. W., 19.7-515
Ionospheric collisional frequency measurement techniques
Renard, C., 19.10-550
Ionospheric composition
Farley, D. T. et al., 19.4-417
Harris, K. K. et al., 19.4-422
Smith, P. A. et al., 19.4-450
Doherty, R. H., 19.7-501
Petit, M., 19.10-546
Donahue, T. M., 19.11-534
Ionospheric composition effects on electron temperature
Kamiyama, H. et al., 19.3-386
Ionospheric computation tables
Herbert, Th., 19.2-358
Ionospheric conductivity
Foeppl, H. et al., 19.4-418
Iwasaki, N. et al., 19.4-424
Kaufmann, P. et al., 19.7-512
Swift, D. W., 19.8-534
Wagner, C. U., 19.9-608
Keller, G. E., 19.10-537
Ionospheric conferences
Calder, N., 19.7-498

Ionospheric critical frequency variations
Singler, A., 19.8-530
Ionospheric current intensities
Lebeau, A. et al., 19.10-542
Ionospheric current systems
Iwasaki, N. et al., 19.4-424
Szczypa, S., 19.5-494
Cloutier, P. A. et al., 19.9-576
Matsushita, S., 19.12-497
Stone, D. J., 19.12-510
Ionospheric currents
Kamiyama, H., 19.4-426
Kato, Y. et al., 19.4-427
Untiedt, J., 19.4-455
Oguti, T., 19.5-457
Cahill, L. J., 19.5-530
Swift, D. W., 19.8-534
Onwumechilli, A., 19.10-615
Newell, R. E. et al., 19.11-542
Greenfield, S. M. et al., 19.12-481
Ionospheric currents–geomagnetic disturbance relationships
Akasofu, S. I. et al., 19.6-534
Piddington, J. H., 19.12-541
Ionospheric currents–geomagnetic variations relationships
Hall, S. H., 19.2-356
Zaitsev, A. N. et al., 19.4-460
Ionospheric data analysis
Siddiqui, M. M. et al., 19.6-501
Swider, W., Jr., 19.7-536
Golovtsyn, V. N. et al., 19.9-579
Ionospheric density variations
Starovatov, A. A., 19.7-535
Ionospheric diffusion
Gurevich, A. V. et al., 19.2-355; 19.8-505
Fiala, V., 19.11-535, 536
Baxter, R. G. et al., 19.12-465
Ionospheric disturbance–geomagnetic storm relationships
Mrazek, J., 19.9-596
Ionospheric disturbance theories
Torr, D. G. et al., 19.5-426
Ionospheric disturbance–thunderstorm relationships
Jean, A. G., 19.9-588
Ionospheric disturbances
Kanellakos, D. P., 19.3-385
Titheridge, J. E., 19.4-453
Weill, G., 19.4-475
Detert, D. G., 19.5-401
Paul, A. K. et al., 19.5-418
Johler, J. R., 19.6-488
Albee, P. R. et al., 19.9-571
Jean, A. G., 19.9-588
Reid, G. C., 19.11-543
Wickersham, A. F., Jr., 19.11-546
Hines, C. O., 19.12-484, 485
Hruskova, J., 19.12-489
Lomax, J. B. et al., 19.12-496
Ionospheric disturbances–auroral magnetic storm relationships
Dolgova, E. I., 19.8-502
Ionospheric drift
Slack, F. F., 19.10-556
Hines, C. O., 19.11-309
Jogulu, C. et al., 19.11-539
Harnischmacher, E. et al., 19.12-483
Ionospheric drift analysis
Fedor, L. S., 19.2-352
Ionospheric drift calculations
Fedor, L. S., 19.2-352
Datta, R. N., 19.6-483
Ionospheric drift–geomagnetic activity relationships
Zelenkov, V. E. et al., 19.5-430
Ionospheric drift measurement techniques
Datta, R. N., 19.6-483
Briggs, B. H. et al., 19.12-473
Down, W. H. et al., 19.12-476
Hines, C. O. et al., 19.12-487
Jones, D. et al., 19.12-491
Sprenger, K. et al., 19.12-509
Wright, J. W., 19.12-513
Ionospheric drift measurements
Karnaushenko, N. N., 19.3-387
Intnatl. Yr. of the Quiet Sun, 1964-65. Jap. Nat. Com., 19.6-486
Rawer, K., 19.8-526
Harnischmacher, E., 19.12-482
Ionospheric drift observation techniques
Rybin, V. V., 19.8-390
Ionospheric drift variations
Sprenger, K. et al., 19.5-423
Zelenkov, V. E. et al., 19.5-430
Deshpande, M. R. et al., 19.6-485
Dolgova, E. I., 19.8-502
Harnischmacher, E., 19.11-538
Hooke, W. H., 19.12-488
Mueller, H. G., 19.12-502
Ionospheric drift velocities
Nitzsche, P., 19.1-381
Ionospheric drifts
Fraser, G. J., 19.12-478
Ionospheric dynamics
Calder, N., 19.7-498
Bochenek, K., 19.12-469
Ionospheric echoes
Calvert, W., 19.10-519
McAfee, J. R., 19.10-543
Ionospheric effects on cosmic noise
Intl. Radio Consultative Comm., 19.11-614
Ionospheric effects on Earth's electromagnetic field
Troitskaia, V. A. et al., 19.7-537
Ionospheric effects on geomagnetic pulsations
Hirasawa, T. et al., 19.3-480
Ionospheric effects on HF radar
Agy, V., 19.9-570
Ionospheric effects on micropulsation propagation
Knaflich, H. B. et al., 19.8-586
Ionospheric effects on radio stars
Lansinger, J. M., 19.8-517
Ionospheric effects on satellite signals
Liu, C. H., 19.1-376
Videberg, J. et al., 19.2-386
Willman, J. F. et al., 19.4-568
Aarons, J. et al., 19.6-474
Kaiser, A. B. et al., 19.6-491
Jespersen, J. L., 19.8-511
Maliphant, R. G., 19.8-519
Aurejac, J. F. et al., 19.8-617
Fremouw, E. J., 19.11-537
Ionospheric effects on upper atmospheric rotation
Matuura, N., 19.12-498
Ionospheric electric current–planetary magnetic activity relationships
Lebeau, A. et al., 19.9-592
Ionospheric electric field effects on electron temperature
Kamiyama, H. et al., 19.3-386
Ionospheric electric field measurement techniques
Boyd, R. L. F., 19.3-501
Ionospheric electric fields
Webb, W. L. et al., 19.3-401
Boyd, R. L. F., 19.3-501
Foeppl, H. et al., 19.4-418
Ivanov, K. G. et al., 19.8-510
Lebeau, A. et al., 19.9-592
Sen, H. K., 19.10-554
Ionospheric electrical currents
Maeda, H. et al., 19.7-521
Ionospheric electromagnetic properties
Rydbeck, O. E. H., 19.9-601
Large, D. V. et al., 19.12-495
Ionospheric electron collision frequency
Beynon, W. J. G. et al., 19.12-467
Ionospheric electron content
Bradbury, J. N. et al., 19.7-497
Mahajan, K. K. et al., 19.7-522
Harnischmacher, E., 19.10-531
Ionospheric electron cooling
Dalgarno, A. et al., 19.6-482

Ionospheric electron density
Maier, W. B., II, 19.9-595
Moss, S. J. et al., 19.12-501
Ionospheric electron density calculations
Vinnikova, T. L., 19.1-391
Basu, S., 19.2-336
Becker, W., 19.2-337
Eccles, D., 19.2-351
Hojo, H., 19.2-360
Howe, H. H. et al., 19.2-361
Laird, A. R. et al., 19.2-371
Paul, A. K., 19.2-377
Schmerling, E. R., 19.2-379
Titheridge, J. E., 19.2-383
Vinnikova, T. L., 19.2-387
Wright, J. W., 19.2-388
Wright, J. W. et al., 19.2-389
Paul, A. K., 19.3-397
Wright, J. W. et al., 19.4-11
Bhagiratha Rao, E. et al., 19.6-476
Vassy, E. J., 19.6-508
Paul, A. K. et al., 19.7-528
Hultqvist, B., 19.10-532
Bertin, F. et al., 19.12-466
Ionospheric electron density determination
Ebel, A., 19.1-370
Misiura, V. A. et al., 19.1-377
Narayana Rao, N. et al., 19.7-525
Rufenach, C. L. et al., 19.7-531
Ionospheric electron density distribution
King, J. W. et al., 19.2-365
Rai, D. B. et al., 19.2-378
Basu, S. et al., 19.4-405
Bramley, E. N. et al., 19.6-479
Anastassiades, M. et al., 19.11-526
Ionospheric electron density fluctuations
Garriott, O. K. et al., 19.4-419
Ionospheric electron density gradients
Aubry, M. P., 19.10-511
Ionospheric electron density measurement techniques
Goodman, J. M., 19.3-382
Holt, O. et al., 19.4-141
Robson, P. N. et al., 19.8-163
Kimura, I. et al., 19.8-514
Heikkila, W. J. et al., 19.10-154
Renard, C., 19.10-550
Mitiakov, N. A., 19.12-499
Vasseur, G. et al., 19.12-511
Ionospheric electron density measurements
Miyazaki, S., 19.2-373
Stephens, C. P. et al., 19.4-452
Gringauz, K. I. et al., 19.10-527
Joint Satellite Studies Group, 19.10-534
Petit, M., 19.10-546
Monro, P. E. et al., 19.12-500
Ionospheric electron density profile forecasting
Haydon, G. W. et al., 19.5-152
Ionospheric electron density profiles
Vinnikova, T. L., 19.1-391
Becker, W., 19.2-337
Hojo, H., 19.2-360
Howe, H. H. et al., 19.2-361
Laird, A. R. et al., 19.2-371
Paul, A. K., 19.2-377
Vinnikova, T. L., 19.2-387
Wright, J. W., 19.2-388
Oya, H. et al., 19.3-396
Paul, A. K., 19.3-397
Nishida, A., 19.4-436
Bhagiratha Rao, E. et al., 19.6-476
Lootens, H. T. et al., 19.6-495
Hirao, K. et al., 19.8-506
Nishida, A., 19.8-522
Bedinger, J. F. et al., 19.10-515
Oya, H. et al., 19.10-545
Ionospheric electron density variations
Hibberd, F. H. et al., 19.2-359
Rai, D. B. et al., 19.2-378
Dyson, P. L., 19.4-416
Jones, K. L., 19.4-425
Burkard, O. M., 19.7-238
Kazachevskaia, T. V., 19.7-513
King, J. W. et al., 19.7-517
Sharma, R. P. et al., 19.7-533
Cornellier, J. R. et al., 19.8-501
Nelson, G. J., 19.8-521
Sukhorukova, E. V., 19.8-532
Brace, L. H. et al., 19.9-575
Schmelovsky, K. H., 19.9-603
Titheridge, J. E., 19.9-607
Walker, J. C. G. et al., 19.9-615
Cohen, R., 19.10-521
Doupnik, J. R. et al., 19.12-475
Nelson, R. A., 19.12-504
Ionospheric electron drift
Knudsen, W. C., 19.8-515
Ionospheric electron production
Velinov, P., 19.11-544
Ionospheric electron temperature determination
Brooks, D. R. et al., 19.2-342
Ionospheric electron temperature diurnal variations
Kazachevskaia, T. V., 19.1-374
Ionospheric electron temperature measurement techniques
Abdu, M. A. et al., 19.4-402
Wilson, J. W. G. et al., 19.7-106
Ionospheric electron temperatures
Gdalevich, G. L. et al., 19.1-372
Carlson, H. C., Jr., 19.2-410
Evans, J. V., 19.3-379
Kamiyama, H. et al., 19.3-386
Petit, M., 19.4-439, 440
Smith, P. A. et al., 19.4-450
Dalgarno, A. et al., 19.6-482
Dagaonkar, S. S. et al., 19.7-500
Hanson, W. B. et al., 19.7-509
Shapiro, B. S. et al., 19.7-534
Gringauz, K. I., 19.8-355
Smith, L. G. et al., 19.8-531
Balarama Rao, P., 19.9-573
Brace, L. H. et al., 19.9-575
Evans, J. V. et al., 19.9-577
Walker, J. C. G., 19.9-609
Bedinger, J. F. et al., 19.10-515
Carru, H. et al., 19.10-520
Carlson, H. C. et al., 19.10-580
Cole, K. D., 19.11-531
Evans, J. V., 19.12-477
Ionospheric equatorial anomaly
King, J. W., 19.7-561
Ionospheric forecasting
Gubenko, V. S. et al., 19.7-508
Ionospheric forecasts
Albrecht, H. J., 19.10-510
Ionospheric forward scattering
Pomerantz, M. A., 19.4-441
Ionospheric–geomagnetic relationships
King, J. W. et al., 19.2-366
Rai, D. B. et al., 19.2-378
Kasymova, A. G., 19.3-388
Kato, S., 19.3-389
Brown, G. M. et al., 19.4-410
Dunford, E., 19.4-415
Nishida, A., 19.4-436
Stephens, C. P. et al., 19.4-452
Mizun, Iu. G., 19.5-415
Chandra, S. et al., 19.6-480
Balarama Rao, P., 19.9-573
Bauer, S. J. et al., 19.10-514
Greenfield, S. M. et al., 19.12-481
Ionospheric gravity waves
Goodwin, G. L., 19.7-506
Hines, C. O., 19.12-485
Ionospheric heating
Evans, J. V., 19.3-379
Petit, M., 19.4-439, 440
Sorenson, W. R., 19.4-451

Dueboin, M. L. et al., 19.5-441
Petit, M., 19.10-546
Cole, K. D., 19.11-531
Evans, J. V., 19.12-477
Ionospheric height determination
Serafimov, K. B. et al., 19.1-387
Tyagi, T. R., 19.4-454
Ionospheric height measurement techniques
Whitehead, J. D. et al., 19.5-138
Ionospheric height variations
Vila, P., 19.11-545
Ionospheric heights
Sukhorukova, E. V., 19.8-532
Ionospheric indexes
Internat. Radio Consult. Comm., 19.9-582
Ionospheric inhomogeneities
Chytil, B., 19.1-367
Namazov, S. A. et al., 19.1-379
Goodman, J. M., 19.3-382
Gurevich, A. V. et al., 19.8-505
Ionospheric ion temperatures
Evans, J. V., 19.3-379
Harris, K. K. et al., 19.4-422
Smith, P. A. et al., 19.4-450
Balarama Rao, P., 19.9-573
Carru, H. et al., 19.10-520
Ionospheric ionization
King, J. W. et al., 19.2-368
Thomas, L., 19.2-382
Serafimov, K. et al., 19.3-398
Bhattacharyya, J. C. et al., 19.4-406
Nestorov, G., 19.4-477
Bradbury, J. N. et al., 19.7-497
Ovezgel'dyev, O. et al., 19.7-527
Pozigun, V. L. et al., 19.7-529
Vasil'ev, K. N., 19.7-538
Velinov, P., 19.7-539
Hale, L. C. et al., 19.8-161
Jones, T. B., 19.8-512
Mukunda Rao, M. et al., 19.8-520
Titheridge, J. E., 19.9-607
Ionospheric ionization calculations
Ondoh, T. et al., 19.1-383
Potapova, N. I. et al., 19.1-384
Chernysheva, S. P. et al., 19.5-398
Ionospheric ionization distribution
Delloue, J., 19.3-148
Knudsen, W. C., 19.8-515
Jones, K. L., 19.9-590
Ionospheric ionization increases
Ondoh, T. et al., 19.1-383
Ionospheric ionization–magnetic relationships
Stubbs, H. E., 19.10-607
Ionospheric ionization variations
Kato, S. et al., 19.9-591
Hines, C. O., 19.12-486
Ionospheric irregularities
Liu, C. H., 19.1-376
Bischoff, K., 19.2-340
Dyson, P. L., 19.2-350
Gurevich, A. V. et al., 19.2-355
Mass, J. et al., 19.3-394
Aarons, J., 19.4-401
Goodman, J. M., 19.4-420
Rai, D. B. et al., 19.4-443
Titheridge, J. E., 19.4-453
Weinstock, J., 19.4-457
Kamenetskaia, G. Kh., 19.5-408
Kaiser, A. B. et al., 19.6-491
Okoye, S. E. et al., 19.6-497
Titheridge, J. E., 19.6-505, 506
Goodwin, G. L., 19.7-506
Sato, T. et al., 19.8-52
Jespersen, J. L., 19.8-511
Sato, T., 19.8-528
Reid, G. C., 19.9-599
Sato, T. et al., 19.10-553
Slack, F. F., 19.10-556
Anastassiades, M. et al., 19.11-526
Fremouw, E. J., 19.11-537
Bowman, G. G., 19.12-471
Kato, S. et al., 19.12-492
Ionospheric layer formation
Kasymova, A. G., 19.3-388
Nguyen, M. T., 19.4-435
Ionospheric layer stability
Gershman, B. N. et al., 19.7-505
Ionospheric layers
Mahajan, K. K. et al., 19.7-522
Ovezgel'dyev, O. et al., 19.7-526
Van Zandt, T. E., 19.10-558
Ionospheric low frequency propagation
Johler, J. R., 19.6-488, 489
Booker, H. G. et al., 19.12-470
Ionospheric magnetic fields
Hall, S. H., 19.2-356
Lehmann, H. R., 19.7-520
Ionospheric mapping
Jones, W. B. et al., 19.6-490
Ionospheric measurements
Kusumanto, –, et al., 19.8-516
Ionospheric models
Ebel, A., 19.1-370
Herbert, Th., 19.2-358
Nishida, A., 19.4-436
Bradley, P. A., 19.6-478
Galejs, J., 19.6-548
Ionospheric movements
Surtees, W. J., 19.5-425
Georges, T. M., 19.12-479
Hines, C. O. et al., 19.12-487
Kato, S. et al., 19.12-492
Kent, G. S. et al., 19.12-494
Ionospheric–night airglow intensity relationships
Carlson, H. C., 19.3-377
Ionospheric observations
Rose, G. et al., 19.5-419
IQSY, 4th Assembly, London, 1967, 19.10-533
Ionospheric observations during eclipse
King, J. W. et al., 19.3-391
Bousquet, C. et al., 19.4-408
Starovatov, A. A., 19.7-535
Bourdila, A. M., 19.8-499
Ionospheric observations during solar eclipse
Cornellier, J. R. et al., 19.8-501
Ionospheric path determination
Delloue, J. et al., 19.3-148
Ionospheric perturbations
Nelson, P. H., 19.7-7
King, J. W. et al., 19.7-516
Rush, C. M. et al., 19.7-532
Ionospheric perturbations–geomagnetic storm relationships
Khocholava, G. M. et al., 19.7-514
Ionospheric perturbations–geomagnetic variations relationships
Duffus, H. J. et al., 19.8-504
Ionospheric perturbations–solar flare relationships
Eliseeva, L. A., 19.11-679
Ionospheric phenomena
King, J. W. et al., 19.6-492
Ionospheric photoelectrons
Carlson, H. C., 19.3-377
Yngvesson, K. O. et al., 19.4-459
Carlson, H. C. et al., 19.10-580
Ionospheric physics
Natl. Res. Council Wash. D.C. U. S. Natl. Committee of the URSI, 19.1-380
De Vaublanc, B., 19.2-347
Rishbeth, H., 19.9-600
Ionospheric plasma
Carru, H. et al., 19.11-530
Ionospheric probes
Oya, H. et al., 19.3-396
Holt, O. et al., 19.4-141
Hale, L. C. et al., 19.8-161
Kaiser, T. R. et al., 19.8-162

Robson, P. N. et al., 19.8-163
Kostelnicek, R. J., 19.8-165
Kawashima, N., 19.8-513
Heikkila, W. J. et al., 19.10-154

Ionospheric processes
Ferguson, E. E., 19.1-371
Mitra, A. P., 19.1-378
Ogawa, T. et al., 19.1-382
Shchepkin, L. A., 19.1-389
Warneck, P., 19.1-392
Thomas, L., 19.2-382
Carlson, H. C., 19.3-377
Varney, R. N., 19.3-400
Danilov, A. D., 19.5-7
Bowhill, S. A. et al., 19.6-477
Stubbe, P., 19.6-503
Doherty, R. H., 19.7-501
Hunten, D. M. et al., 19.7-510
Swider, W., Jr., 19.7-536
Swider, W., Jr. et al., 19.8-533
Narcisi, R. S., 19.9-598
Rishbeth, H., 19.9-600
Walker, J. C. G., 19.9-609
Donahue, T. M., 19.11-534
Afonina, R. G. et al., 19.11-566

Ionospheric propagation
Bullough, K. et al., 19.10-123
Bochnicek, J., 19.11-529

Ionospheric propagation—solar cycle relationships
Joachim, M., 19.3-384

Ionospheric radio wave absorption
Driatskii, V. M., 19.1-369
Danilin, V. A., 19.5-400
Belkina, L. M., 19.8-498
Bennett, S. M. et al., 19.10-516
Hultqvist, B., 19.10-532

Ionospheric radio wave diffraction
Yeh, K. C., 19.8-536

Ionospheric radio wave fading
Internatl. Radio Consultative Comm., 19.8-507
Harnischmacher, E., 19.12-482

Ionospheric radio wave paths
Croft, T. A. et al., 19.5-399
Detert, D. G., 19.5-401
Folkestad, K., 19.5-404
Inston, H. H. et al., 19.5-405
Kelso, J. M., 19.5-410
Lemanski, T. J., 19.5-413
Nielson, D. L., 19.5-416
Paul, A. K. et al., 19.5-418
Westover, D. E., 19.5-429

Ionospheric radio wave polarization
Chytil, B., 19.1-367
Bradley, P. A., 19.6-478

Ionospheric radio wave propagation
Liu, C. H., 19.1-376
Natl. Res. Council. Wash. D.C. U. S. Natl. Committee of the URSI, 19.1-380
Aralov, D. P., 19.2-335
Gherzi, E., 19.2-353
Crary, J. H. et al., 19.3-378
Davies, K., 19.4-413
Rawer, K. et al., 19.5-9
Danilin, V. A., 19.5-400
Kelso, J. M., 19.5-410
Smith, P. A., 19.6-502
Lied, F., 19.7-6
Internatl. Radio Consultative Comm., 19.8-509
Jones, T. B., 19.8-512
Paghis, I., 19.8-524
Agy, V., 19.9-570
Internatl. Radio Consult. Comm., 19.9-581, 582, 583
Jones, D. L., 19.10-507
Goutelard, C., 19.10-525
Grubb, R. N., 19.10-529
Rycroft, M. J., 19.10-551
Rogers, T. F., 19.11-103
Argence, E., 19.11-527
Brice, N. M., 19.12-472
Mitiakov, N. A., 19.12-499

Ionospheric radio wave propagation anomalies
Raghava Reddi, C. et al., 19.4-442
Baker, D. M., 19.6-475
Jean, A. G., 19.9-588

Ionospheric radio wave propagation calculations
Kazantsev, A. N. et al., 19.5-58
Danilin, V. A., 19.5-400
Detert, D. G., 19.5-401
Folkestad, K., 19.5-404
Inston, H. H. et al., 19.5-405
Kopka, H. et al., 19.5-412
Lemanski, T. J., 19.5-413
Westover, D. E., 19.5-429
Johler, J. R., 19.6-489
Gothard, N., 19.7-507
Internatl. Radio Consult. Comm., 19.9-584
Grubb, R. N., 19.10-528

Ionospheric radio wave propagation research
Kawashima, N., 19.8-513

Ionospheric radio wave propagation symposia
NATO, Advisory Group for Aerospace Res. and Dev., Ionospheric Research Committee, 19.7-14

Ionospheric radio wave propagation theories
Johler, J. R., 19.6-489
Wait, J. R., 19.10-78

Inoue, Y. et al., 19.12-490

Ionospheric radio wave reflection
Vasileva, S., 19.1-362
Chernysheva, S. P., 19.2-345
Shirmammedov, M., 19.2-380
Austin, G. L., 19.4-404
Raghava Reddi, C. et al., 19.4-442
Whitehead, J. D. et al., 19.5-138
Baibulatov, R. B., 19.5-394
Dieminger, W., 19.11-280
Booker, H. G. et al., 19.12-470
Sheddy, C. H., 19.12-508
Gossard, E. E. et al., 19.12-560

Ionospheric radio wave reflection coefficients
Baibulatov, R. B., 19.5-394

Ionospheric radio wave refraction
Dyson, P. L., 19.2-350
Willman, J. F. et al., 19.4-568
Kazantsev, A. N. et al., 19.5-174
Danilin, V. A., 19.5-400
Daniell, G. J., 19.7-499
Maliphant, R. G., 19.8-519

Ionospheric radio wave refraction measurement techniques
De Vaublanc, B., 19.2-347

Ionospheric radio wave scattering
Driatskii, V. M., 19.1-369
Misiura, V. A. et al., 19.1-377
Sato, T. et al., 19.8-529

Ionospheric radio wave scintillation
Chytil, B., 19.1-367
Whitney, H. E. et al., 19.8-535; 19.10-561

Ionospheric recombination
Nguyen, M. T., 19.4-435
Oya, H. et al., 19.4-438
Weill, G., 19.4-475

Ionospheric research
Matsushita, S., 19.4-433
Seliga, T. A., 19.4-447
Reynolds, D. K. et al., 19.4-557
Vassy, E. J., 19.6-508
Sanderson, J. A., 19.10-552
Donahue, T. M., 19.11-534

Ionospheric research programs
Katsufrakis, J., 19.7-511

Ionospheric research reports
Benediktov, E. A., 19.11-528

Ionospheric resonances
Paghis, I., 19.8-524
Calvert, W., 19.10-519

Ionospheric retrodiffusion
Goutelard, C., 19.10-525

- Ionospheric rocket research
  - Katsufrakis, J., 19.7-511
- Ionospheric satellite research
  - Daniell, G. J., 19.7-499
- Ionospheric scale heights
  - Dyson, P. L., 19.4-416
- Ionospheric scattering
  - Internatl. Radio Consultative Comm., 19.8-509
- Ionospheric semidiurnal lunar tides
  - Matsushita, S., 19.5-8
- Ionospheric sounding equipment
  - Violette, E. J. et al., 19.6-158
- Ionospheric sounding techniques
  - Blair, W. E., 19.7-495
  - Internatl. Radio Consultative Comm., 19.8-508
- Ionopheric soundings
  - David, D., 19.1-368
  - Golysheva, M. A. et al., 19.3-381
  - Zborovskaia, I. M., 19.3-404
  - Davies, K., 19.4-413
  - Krivsky, L. et al., 19.4-431
  - Rose, G. et al., 19.5-419
  - Chernov, Iu. A., 19.8-500
  - Piggott, W. R. et al., 19.8-525
- Ionospheric stations
  - Chavdarov, S. S. et al., 19.2-344
  - Vasil'ev, G. V., 19.2-385
- Ionospheric storms
  - Mrazek, J., 19.9-596
- Ionospheric stratification
  - Jones, W. B. et al., 19.6-490
- Ionospheric structure
  - Nishida, A., 19.4-436
  - Golovtsyn, V. N. et al., 19.9-579
  - Hruskova, J., 19.12-489
  - Gossard, E. E. et al., 19.12-560
- Ionospheric temperature effects on electron density
  - Chandra, S. et al., 19.6-480
- Ionospheric temperature enhancements
  - Leinbach, H. et al., 19.9-593
- Ionospheric temperature measurements
  - Gringauz, K. I., 19.8-355
  - Bedinger, J. F. et al., 19.10-515
  - Gringauz, K. I. et al., 19.10-527
  - Petit, M., 19.10-546
- Ionospheric temperature variations
  - Petit, M., 19.4-439, 440
- Ionospheric temperatures
  - Kato, S., 19.3-389
  - Farley, D. T. et al., 19.4-417
  - Walker, J. C. G., 19.9-609
  - Moss, S. J. et al., 19.12-501
- Ionospheric terminology
  - Van Zandt, T. E., 19.10-558
- Ionospheric tides
  - Calder, N., 19.7-498
  - Sharma, R. P. et al., 19.7-533
  - Zaguliaeva, V. A. et al., 19.8-538
- Ionospheric ULF radio wave propagation
  - Frisius, J., 19.12-558
- Ionospheric variations
  - Ben'kova, N. P. et al., 19.5-396
  - Jones, W. B. et al., 19.6-490
- Ionospheric vertical drift
  - King, J. W. et al., 19.4-429
- Ionospheric vertical movement
  - Chimonas, G. et al., 19.4-411
- Ionospheric VLF propagation
  - Galejs, J., 19.4-548
  - Potemra, T. A. et al., 19.4-556
  - Internatl. Radio Consult. Comm., 19.9-587
  - Aubry, M. P., 19.10-511
  - Biggs, A. W. et al., 19.12-468
  - Booker, H. G. et al., 19.12-470
  - Wait, J. R. et al., 19.12-512
  - Galejs, J., 19.12-559
- Ionospheric VLF propagation studies
  - Kaufmann, P. et al., 19.2-363
  - Crary, J. H., 19.4-48
  - Pappert, R. A., 19.7-628
  - Walker, A. D. M., 19.7-629
  - Gossard, E. E., 19.9-580
- Ionospheric waves
  - Baker, D. M. et al., 19.5-395
  - Bochenek, K., 19.12-469
  - Goodwin, G. L., 19.12-480
  - Hruskova, J., 19.12-489
  - Poeverlein, H., 19.12-505
  - Revah, I. et al., 19.12-506
- Ionospheric whistler propagation
  - Walker, A. D. M., 19.7-629
  - Brice, N. M., 19.12-472
- Ionospheric wind analysis
  - Goodwin, G. L., 19.12-480
- Ionospheric wind effects
  - Wright, J. W., 19.3-403
  - Bramley, E. N. et al., 19.6-479
  - King, J. W. et al., 19.6-492
- Ionospheric wind effects on geomagnetic variations
  - Bernard, P., 19.5-492
- Ionospheric wind measurement techniques
  - Murphy, C. H. et al., 19.9-597
- Ionospheric wind measurements
  - Murphy, C. H. et al., 19.9-597
  - Bedinger, J. F. et al., 19.10-515
- Ionospheric wind profiles
  - Rosenberg, N. W., 19.12-507
- Ionospheric wind variations
  - Murphy, C. H. et al., 19.1-269
  - Abhirama Reddy, C. et al., 19.12-463
  - Fraser, G. J., 19.12-478
  - Revah, I. et al., 19.12-506
- Ionospheric winds
  - Kato, S., 19.3-389
  - Greenfield, S. M. et al., 19.12-481
- Iron in sea water
  - Akiyama, T., 19.11-714
- Iron in solar corona
  - Jordan, C. et al., 19.12-647
- Iron in solar system theories
  - Tozer, D. C., 19.7-641
- Iron lines in solar spectrum
  - Eddy, J. A. et al., 19.2-513
  - Bely, O. et al., 19.5-601
  - Swings, J. P., 19.12-653
- Iron meteorites
  - Ceplecha, Z., 19.3-578
  - Tackett, S. L. et al., 19.11-667
- Irradiation of flying devices
  - Favorskii, O. N. et al., 19.7-4
- Irregular Pulsations of Diminishing Period
  - Gendrin, R. et al., 19.11-578
- Irrigated fields
  - Goisa, N. I. et al., 19.10-284
- Irrigated lands
  - Mech, S. J. et al., 19.7-349
- Irrigation
  - Hagan, R. M. et al., 19.7-19
  - Panel on the use of Isotope and Radiation Techniques in Soil-Moisture and Irrigation Studies, Vienna, March 1966, 19.7-20
- Irrigation and drainage
  - Gardner, W. R., 19.8-404
  - Hartung, W., 19.9-95
- Irrigation calculations
  - Baier, W. et al., 19.3-354
  - Kharchenko, S. I., 19.9-526
- Irrigation conferences
  - Hartung, W., 19.9-95
- Irrigation effectiveness
  - Seginer, I., 19.1-316
  - Razumova, L. A. et al., 19.4-44
- Irrigation effects
  - Gagarina, T. E. et al., 19.10-362
  - Prokopenko, I. I., 19.10-802
- Irrigation effects on crops
  - Allen, L. D. et al., 19.5-47
- Irrigation effects on ground water
  - Greenman, D. W. et al., 19.11-813

Irrigation effects on microclimate
  Fritschen, L. J. et al., 19.7-456
  Stoenescu, S. M. et al., 19.7-458
Irrigation effects on river flow
  Wiser, E. H., 19.5-769
Irrigation effects on soil moisture content
  Konstantinov, A. R. et al., 19.3-726
Irrigation effects on soil salinity
  Reeve, R. C. et al., 19.7-859
Irrigation efficiency
  Lauritzen, C. W. et al., 19.7-373
  Robins, J. S., 19.7-375
  Fried, M. et al., 19.9-814
  Konstantinov, A. R. et al., 19.10-56
  Oleinik, R. N. et al., 19.11-85
  Konstantinov, A. R. et al., 19.12-44
Irrigation of agricultural lands
  Mech, S. J. et al., 19.8-780
Irrigation problems
  Raney, W. A., 19.7-420
Irrigation requirement forecasting
  Turmanidze, T. I., 19.4-368
Irrigation requirements
  Al-Nedjim, M., 19.1-50
  Baier, W. et al., 19.3-354
  Maletic, J. T. et al., 19.6-799
  Haise, H. R. et al., 19.7-58
  Robins, J. S., 19.7-375
  Hargreaves, G. H., 19.8-405
  McDaniels, L. L., 19.8-409
  Robb, D. C. N., 19.8-412
  Bilbro, J. D., Jr., 19.11-354
Irrigation research
  Jamison, V. C. et al., 19.9-93
Irrigation Research Institute, Lahore, Pakistan
  Mahmood, K., 19.3-678
Irrigation systems
  Robins, J. S., 19.7-375
  Margetin, V., 19.7-858
  Dixon, R. M. et al., 19.8-796
Irrigation water analysis
  Wilcox, L. V. et al., 19.7-860
Irrigation water quality
  Wilcox, L. V. et al., 19.7-860
Irrigation water sources
  Kunin', V. N., 19.5-702
  Burgy, R. H. et al., 19.7-812
  Margetin, V., 19.7-858
Irrigation water temperatures
  Raney, F. C. et al., 19.7-332
Irrotational fluid motion
  Di Benedetto, F., 19.2-158
Isallobaric wind equations
  Di Benedetto, F., 19.9-217
Isallobaric wind vorticity
  Di Benedetto, F., 19.9-217
Isobaric analysis
  Cosentino, O. et al., 19.1-240
Isobaric buoys
  Adler, C., 19.7-721
Isobaric surface height forecast
  Kopacek, J., 19.10-165
Isobaric surface height variations
  Johnson, K. W. et al., 19.10-309
Isobaric surface heights–solar flare relationships
  Usmanov, R. F., 19.9-422
Isobaric surfaces
  Cosentino, O. et al., 19.1-240
  Kopacek, J., 19.10-165
Isogon–isotach charts
  Cohen, S. H. et al., 19.9-216
Isopleths
  Maine, R. et al., 19.12-64
Isothermal charts
  Munzar, J., 19.3-212
Isothermal stratified atmosphere
  Stein, R. F., 19.6-473
Isotope applications in hydrology
  Symp. on Isotopes in Hydrol., Vienna, 1966, 19.8-26
Isotopes in hydrology symposia
  Symp. on Isotopes in Hydrol., Vienna, 1966, 19.8-26
Isotopic changes
  Lal, D. et al., 19.10-593
Isotopic composition of ground water
  Gat, J. R. et al., 19.10-427
Iostopic composition of precipitation
  Fontes, J. C. et al., 19.5-764
  Merlivat, L. et al., 19.6-393
  Gat, J. R. et al., 19.10-427
Isotopic composition of soil moisture
  Zimmermann, U. et al., 19.10-801
Isotopic composition of sulfates
  Rafter, T. A. et al., 19.5-322
Isotopic dating methods
  MacDougall, I. et al., 19.12-435
Isotropic field analysis
  Kagan, R. L., 19.12-63
Isotropic gamma rays
  Felten, J. E., 19.7-299
Isotropic turbulence
  Iaglom, A. M., 19.4-216
  Cocho Gil, F., 19.7-271
  Smirnov, V. I. et al., 19.9-321
Isotropic turbulence spectra
  Neumann, J., 19.10-337
Italian participation in IQSY
  Giorgi, M., 19.4-16
  Internatl. Geophysical Committee. Commissione Italiana, 19.4-17
  Internatl. Years of the Quiet Sun, 4th Assembly, 1967, 19.10-110
Italy, National Center of Physics of the Atmosphere and Meteorology
  Giorgi, M., 19.11-64

J

Jacobian calculation
  Mertsalov, A. N., 19.3-115
Jakobshavn Glacier
  Bauer, A., 19.5-721
Japan. Disaster Prevention Research Institute
  Kyoto, Japan. Univ. Disaster Prevention Research Institute, 19.2-34
Japanese Antarctic expeditions
  Symposium on Pacific-Antarctic Sciences, Univ. of Tokyo, Aug. 23-27, 1966, 19.2-20
  Oura, H., 19.7-760
Japanese Antarctic Research Expeditions
  Kusunoki, K., 19.7-126
  Japan. Met. Agency, Tokyo, 19.8-98
  Ishida, K. et al., 19.10-116
Japanese Deep-Sea Expedition
  Japan. Met. Agency, 19.7-83
Japanese literature
  Japan. Science Council. Nat. Com. for Geodesy and Geophysics, 19.5-36
Japanese oversnow vehicle (KD 601)
  Hosoya, M. et al., 19.12-402
Japanese participation in IQSY
  International Years of the Quiet Sun. Japanese National Committee, 19.2-28
  International Years of the Quiet Sun, 4th Assembly, 1967, 19.10-111
Jet aircraft operation
  Hunter, P. A., 19.11-79
Jet formation in stratified fluids
  Barcilon, A. I., 19.12-184
Jet stream cirrus
  Viezee, W. et al., 19.2-255
Jet stream cloud formations
  Levi, M., 19.6-385
Jet stream clouds
  Viezee, W. et al., 19.2-255
  Bonner, W. D. et al., 19.5-107
  Tsuchiya, K. et al., 19.8-425
Jet stream derived from satellite radiation measurements
  Zhvalev, V. F. et al., 19.5-121

Jet stream distribution
Crossley, A. F. et al., 19.6-352
Galerkina, K. A., 19.9-86
Jet stream effects on climate
Cehak, K. et al., 19.5-268
Jet stream effects on weather
Reiter, E. R., 19.1-24
Jet stream flying
Galerkina, K. A., 19.9-86
Jet stream nomograms
Trajer, F. L., 19.8-395
Jet stream over Europa and East Atlantic
Kress, W., 19.8-295
Jet stream over NW Africa
Dettwiller, J., 19.3-184
Jet stream–radioactive fallout relationships
Reiter, E. R., 19.12-306
Jet stream regimes
Wiegman, E. J. et al., 19.7-384
Jet stream research
Kress, W., 19.8-295
Jet stream sailplane flying
Aldrich, J., 19.6-61
Jet stream splitting
Reiter, E. R., 19.12-306
Jet stream structure
Dettwiller, J., 19.3-184
Kapitanova, T. P., 19.9-426
Bonner, W. D. et al., 19.9-463
Petukhov, B. S., 19.11-300
Jet stream studies
Lacaze, J., 19.10-390
Jet stream turbulence
Kapitanova, T. P., 19.9-426
Jet streams over U.S.S.R.
Galerkina, K. A., 19.9-86
Jovian atmosphere
Beckman, J. E., 19.1-490
Walbaum, M. et al., 19.3-570
Galkin, L. S., 19.7-672
Jastrow, R. et al., 19.8-660
Aksenov, A. N. et al., 19.12-603
Jovian atmosphere movements
Walbaum, M. et al., 19.3-570
Jovian atmospheric circulation
Stone, P. H., 19.1-491
Titman, C. W., 19.3-569
Koschmieder, E. L., 19.7-673
Jovian atmospheric pressure
Beckman, J. E., 19.1-490
Jovian decametric radiation
Douglas, J. N., 19.3-546
Smith, A. G. et al., 19.3-547
Dulk, G. et al., 19.4-570
Slee, O. B. et al., 19.5-549
Tiainen, P. O., 19.8-642
Jovian decametric radio emissions
Piddington, J. H. et al., 19.9-669
Jovian disk
Teifel', V. G., 19.12-606
Jovian energetics
Smoluchowski, R., 19.5-578
Jovian great red spot
Runcorn, S. K., 19.3-568
Walbaum, M. et al., 19.3-570
Jovian great red spot–sunspot relationships
Graf, E. R. et al., 19.11-677
Jovian magnetic axis
Conway, R. G. et al., 19.9-690
Jovian magnetic field
Barber, D., 19.3-544
Dickel, J. R., 19.3-545
Hide, R., 19.3-567
Burns, J. A., 19.10-664
Jovian magnetosphere
Haymes, R. C. et al., 19.8-641
Jovian models
DeMarcus, W. C., 19.3-564
Smoluchowski, R., 19.5-578
Jovian planets
Dragesco, J., 19.3-565
Jovian radio emission sources
Smith, A. G. et al., 19.3-547
Dulk, G. et al., 19.4-570
Jovian rotation–radio emission relationships
Roberts, J. A. et al., 19.7-649
Jovian satellite Io
Piddington, J. H. et al., 19.9-669
Jovian satellites
Bowell, E. L. G. et al., 19.9-689
Burns, J. A., 19.10-664
Jovian satellites influence on decametric radiation
Tiainen, P. O., 19.8-642
Jovian spectra
Beckman, J. E., 19.1-490
Galkin, L. S., 19.7-672
Kartashov, V. F., 19.12-605
Jovian spot velocities
Runcorn, S. K., 19.3-568
Jovian structure
Hide, R., 19.3-567
Runcorn, S. K., 19.3-568
Smoluchowski, R., 19.5-578
Jovian surface properties
Bolkvadze, O. R., 19.12-603
Jovian X-ray flux
Edwards, P. J. et al., 19.7-671
Jovian X-ray source
Haymes, R. C. et al., 19.8-641
Jupiter
Jastrow, R. et al., 19.8-660
Burns, J. A., 19.10-664

K

K-index
Urbanovich, V. D., 19.3-494
K_p index
Coleman, P. J., Jr., 19.4-539
Piddington, J. H., 19.12-541
Kandilli Observatory
Dizer, M., 19.11-611
Kapitsa, Piotr Leonidovich
Kapitsa, P. L., 19.10-18
Karst effects on river discharges
Markova, O. L., 19.3-718
Karst effects on stream flow
Markova, O. L., 19.7-798; 19.10-783
Karst hydrology
Molitvin, P. V., 19.7-817; 19.10-784
Karst rivers
Markova, O. L., 19.7-798
Molitvin, P. V., 19.7-817
Markova, O. L., 19.10-783
Molitvin, P. V., 19.10-784
Kavraysky Glacier
Cherkasov, P. A., 19.6-717
Kelvin waves
Holton, J. R. et al., 19.10-250
Wallace, J. M. et al., 19.12-156
Kesselwand Glacier
Ambach, W. et al., 19.5-342
Picciotto, E., 19.5-720
Kinematic analysis
Kagawa, H. et al., 19.8-166
Cohen, S. H. et al., 19.9-216
Kinematics of wind fields
Endlich, R. M., 19.2-66
Browning, K. A. et al., 19.3-60
Kinetheodolites
McInnes, B., 19.5-535
Kinetic energy distribution
Ignatiushina, E. N., 19.3-156
Kinetic energy exchange
Brown, J. A., Jr., 19.5-194
Kinetic energy in atmosphere
Kung, E. C., 19.1-172
Ignatiushina, E. N., 19.3-156
Wisc. Univ., Madison. Dept. of Met., 19.7-15
Hastenrath, S. L., 19.9-303
Kinetic energy in free atmosphere
Ignatiushina, E. N., 19.8-283
Kinetic theory of gases
Yen, J. T., 19.8-537
Kinetics of cloud processes
Enukashvili, I. M., 19.6-368, 369, 370, 371
Kinetics of drop collisions
Scott, W. T., 19.2-276
Kirchhoff's law
Wildt, R. et al., 19.9-358
Kites
Hart, C., 19.5-4
Konimeters
Oedelycke, P., 19.7-160
Koranameter
NCAR Quarterly, Boulder, Colo., 19.1-503
Kp, *see* Kp as acronym
Krasovsky Glacier
Cherkasov, P. A., 19.6-717

Krypton
Levenson, L. L., 19.6-373
Kuroshio Current
Bogdanov, M. A., 19.3-44
Konaga, S. et al., 19.10-745; 19.12-722
Kuroshio Current studies
Makerov, Iu. V., 19.11-722
Kuroshio Data Center, Japan
Japan. Oceanog. Data Center, 19.9-732

L

L current system
Matsushita, S., 19.12-497
LF electrostatic field of clear air turbulence
TenBroek, H. W. et al., 19.10-359
LF emissions
Morozumi, H. M., 19.6-567
LF radio wave propagation
Williams, H. P. et al., 19.2-64
Berry, L. A., 19.10-68
LF radio wave reflection
Gambill, B., 19.12-557
Laboratory experiments
Kasha, M. A. et al., 19.1-90
Fahleson, U. et al., 19.1-155
Lagrangian and Eulerian time-correlograms
Gifford, F. A., Jr. et al., 19.4-213
Gifford, F. A., Jr., 19.4-288
Smith, F. B., 19.5-190
Lagrangian characteristics
Gordon, A. H., 19.6-238
Lagrangian correlation function
Philip, J. R., 19.10-339
Lake biological studies
Davis, C. C., 19.8-760
Lake chemistry
Solov'eva, N. F., 19.4-747
Rossolimo, L. L. et al., 19.5-745
Shil'krot, G. S., 19.5-746, 747
Zharikov, S. S., 19.5-750
Brezonik, P. L. et al., 19.7-785
Yamagata, N. et al., 19.7-787
Gastescu, P. et al., 19.7-789
Lake circulation
Csanady, G. T., 19.8-385
Okhlopkova, A. N., 19.8-387
Lake classifications
Muravlev, G. G., 19.6-745
Lake conferences
Conf. on Great Lakes Res., 9th, Chic., 1966, 19.6-740
Lake current dynamics
Csanady, G. T., 19.6-749
Lake current studies
Verber, J. L., 19.3-689
Lake currents
Sudol'skii, A. S. et al., 19.6-342
Saylor, J. H., 19.6-752
Okhlopkova, A. N., 19.8-387
Mortimer, C. H., 19.8-764
Monahan, E. C., 19.10-385
Lake currents recording
Holleyman, J. B., 19.8-762
Lake deposits
Woodcock, A. H. et al., 19.8-766
Lake depth
Cherniaeva, F. A., 19.8-767
Lake ecology
Yamagata, N. et al., 19.7-787
Lake ecology evolution
Beeton, A. M., 19.8-759
Lake effects on climate
Gregory, S. et al., 19.5-354
Okolowicz, W., 19.5-356
Rodhe, B., 19.12-444
Lake effects on cloudiness
Okolowicz, W., 19.4-327
Davidson, K. L., 19.12-443
Lake effects on humidity
Stopa, M. et al., 19.5-353
Kossowska, U., 19.5-355
Lake effects on radiation
Davidson, K. L., 19.12-443
Lake effects on temperature
Vorontsov, P. A., 19.1-232
Kopec, R. J., 19.1-329; 19.4-262
Stopa, M. et al., 19.5-353
Kossowska, U., 19.5-355
Lake effects on weather
Stopa, M., 19.5-357
Lake effects on winds
Lettau, H. et al., 19.12-285
Lake eutrophication
Verduin, J., 19.7-792
Lake hydrology
Jeng, R. I. et al., 19.5-749
Anderson, D. V., 19.7-783
Shnitnikov, A. V., 19.8-770
Malinina, T. I., 19.8-771
Zektser, I. S. et al., 19.8-772
Ivanova, Z. M. et al., 19.8-773
Lake ice
Calkin, P. E. et al., 19.4-737
Lake ice data
Snider, C. R., 19.5-726
Rondy, D. R., 19.6-731
Lake ice forecasting
Noble, V. E. et al., 19.4-274
Beilinson, M. M., 19.5-751
Tikhomirov, A. I., 19.8-368
Lake ice formation
Heap, J. A. et al., 19.4-743
Lake ice measurement techniques
Snider, C. R., 19.5-726
Lake ice thickness
Roethlisberger, H., 19.6-73
Lake inflow
Jeng, R. I. et al., 19.5-749
Zektser, I. S. et al., 19.8-77
Ivanova, Z. M. et al., 19.8-77
Lake influences on air masses
Davidson, K. L., 19.12-443
Lake influences on precipitatic
Okolowicz, W., 19.4-327
Lake level data
Gunnerod, T. B., 19.8-768
Lake level effects on river di
charge
Liggett, J. A. et al., 19.8-77
Lake level oscillations calcul
tion
Rockwell, D. C., 19.8-765
Lake level variations
Kuznetsov, I. V., 19.8-769
Moerth, H. T., 19.10-779
Lake levels
Knochenmus, D. D., 19.1-58
Lake meteorological data
Bellaire, F. R. et al., 19.12-7
Lake morphology
Knochenmus, D. D., 19.1-58
Broecker, W. S., 19.5-734
Zharikov, S. S., 19.5-750
Mikulski, Z., 19.7-788
Cherniaeva, F. A., 19.8-767
Lake oscillations
Shibaoka, Y., 19.5-748
Henning, I., 19.6-751
Lake outflow
Jeng, R. I. et al., 19.5-749
Ivanova, Z. M. et al., 19.8-77
Lake pollution
Shil'krot, G. S., 19.5-746
Lake properties
Muravlev, G. G., 19.6-745
Lake sediments
Stuiver, M., 19.10-228
Lake shores
Knochenmus, D. D., 19.1-58
Lake stratification
Likens, G. E. et al., 19.6-74
Lake studies
Popov, E. A. et al., 19.3-68
Henson, E. B. et al., 19.6-74
Lake temperature calculation
Tikhomirov, A. I., 19.8-368
Noble, V. E., 19.12-787
Shuliakovskii, L. G
19.12-788
Lake temperature profiles
Eckel, O., 19.4-742
Chojnowski, S., 19.6-741
Noble, V. E., 19.12-787
Lake temperature survey
Mortimer, C. H., 19.8-764
Lake temperature variations
Chojnowski, S., 19.6-741
Rodgers, G. K., 19.6-743
Okamoto, I., 19.6-750

ake temperatures
Gastescu, P. et al., 19.1-586
Hill, H., 19.1-587
Shpaikher, A. O., 19.2-596
Noble, V. E. et al., 19.4-274
Heap, J. A. et al., 19.4-743
Bilello, M. A., 19.7-784
Lipscomb, R. G., 19.7-790
Gunnerod, T. B., 19.8-768
Ayers, J. C. et al., 19.12-785
ake water composition
Potash, M. et al., 19.4-745
Raspletina, G. F. et al., 19.4-746
Likens, G. E. et al., 19.6-747
Maddocks, G. E., 19.6-748
Gastescu, P. et al., 19.7-789
Shul'gina, E. F., 19.7-791
Rigler, F. H., 19.9-819
ake water movements
Okamoto, I., 19.6-750
Hartley, R. P. et al., 19.7-793
ake water pollution studies
Holleyman, J. B., 19.8-762
ake water transparency
Petrov, B. M., 19.4-744
ake wave studies
Ploeg, J., 19.3-686
ake waves
Jacobs, S. J., 19.6-744
Vorontsov, F. F., 19.8-388
Harris, D. L., 19.11-794
aminar boundary layer
Vasudeva, B. R., 19.8-379
aminar boundary layer theory
Evans, H. L., 19.12-4
aminar flow
Komoda, H., 19.10-333
Struminskii, V. V., 19.10-346
aminar turbulent flow
Coles, D. et al., 19.10-323
andscape—climate relation-
ips
Konstantinov, A. R. et al., 19.11-334
andscape studies
Akademiia, N., 19.12-16
angmuir probes
Brooks, D. R. et al., 19.2-342
Bettinger, R. T. et al., 19.7-164
apse rate variations
Santomauro, L., 19.9-401
arge scale atmospheric motions
Kasahara, A. et al., 19.3-177
Hare, F. K., 19.6-250
Charnock, H. et al., 19.8-244
arge scale atmospheric pro-
esses
Laikhtman, D. L., 19.4-184
arge scale atmospheric pro-
esses symposia
Internatl. Symposium on Dynamics of Large-Scale Processes in the Atmosphere, 2nd, Moscow, June 23-30, 1965, 19.1-14
Large scale circulation–drought relationships
Spar, J., 19.12-373
Large scale dispersion
Kao, S. K. et al., 19.7-341
Large scale turbulence
Il'in, G. P. et al., 19.3-224
Large scale vertical movements
Doneaud, A. et al., 19.9-218
Large scale vortices effects on atmospheric processes
Polozov, V. V., 19.10-175
Large scale weather processes
Reed, R. J., 19.8-459
O'Bryant, R. et al., 19.10-96
Vorob'eva, A. G. et al., 19.12-275
Laser applications in meteorology
Fiocco, G., 19.9-262
Laser backscattering from upper atmosphere
McCormick, P. D. et al., 19.1-71
Laser beam propagation
Woodward, B. W. et al., 19.6-671
Laser beam scintillation
Fried, D. L. et al., 19.3-362, 363
Portman, D. J. et al., 19.7-339
Laser detection of turbulence
Bourquin, K. R. et al., 19.10-357
Laser echoes from aerosol
Fiocco, G. et al., 19.9-261
Laser exploration of upper atmosphere
Sandford, M. C. W., 19.4-194
Laser investigation of dust layers
Dietze, G. et al., 19.11-263
Laser investigation of smoke
Eberstein, I. J., 19.4-180
Laser measurement of aerosols
Proctor, T. D., 19.11-270
Laser observation of visibility
Brown, R. T., Jr., 19.8-88
Laser probing of lower atmosphere
Karney, J. L. et al., 19.4-77
Laser radar
Karney, J. L. et al., 19.4-77
Sandford, M. C. W., 19.5-77
Laser radiation
Zuev, V. E. et al., 19.7-312
Laser uses
Hunter, G. S., 19.11-594
Laser uses in meteorology
Barrett, E. W., 19.2-70
Laser wave propagation
Hodara, H., 19.10-211
Lasers
Basov, N. G., 19.8-71
Roessler, J., 19.9-203
Kneissl, G. J. et al., 19.12-98
Latent heat release
Kuo, H. L., 19.4-233
Latitudinal ionospheric variations
Basu, S. et al., 19.4-405
Sharp, G. W. et al., 19.9-605
Latitudinal upper air density variations
Anderson, A. D., 19.6-132
Latitudinal variations
Mukhenberg, V. V. et al., 19.9-377
Leaching
Biggar, J. W. et al., 19.6-798
Lead abundance in the Sun
Ross, J. et al., 19.8-631
Lead in rainwater
Ter Haar, G. L. et al., 19.4-342
Lead isotopic content of sea water
Delevaux, M. H. et al., 19.4-647
Lead ores
Delevaux, M. H. et al., 19.4-647
Lead-210 in glaciers
Picciotto, E., 19.5-720
Lead-210 in rainwater
Ter Haar, G. L. et al., 19.4-342
Leaf beet growth
Yabuki, K. et al., 19.2-133
Leaf fall effects on water quality
Slack, K. V. et al., 19.7-803
Leaf moisture measurements
Gardner, W. R., 19.8-53
Gezalian, M. G., 19.9-470
Leaf radiation
Moldau, Kh., 19.6-297
Leaf temperatures
Gates, D. M., 19.6-444
Linacre, E. T., 19.6-446
Lebedinskii, Aleksandr Ignat'evich
Fel'dshtein, Ia. I., 19.7-43
Lee eddies
Smith, E. L., 19.9-311
Lee wave calculations
Colquhoun, J. R., 19.6-355
Doron, E. et al., 19.6-356
Bishop, B. B., 19.9-416
Lee wave development
Kozhevnikov, V. N., 19.7-359
Lee wave generation
Sokhov, T. Z. et al., 19.7-360
Lee wave models
Lin, J. T. et al., 19.6-358
Lee wave theories
Larsen, L. H., 19.10-393

Lee waves
NCAR Quarterly, Boulder, Colo., 19.1-272
Dirks, R. A. et al., 19.2-260
Beran, D. W., 19.3-258
Schroeder, M. J., 19.4-239
Legal aspects of weather control
Carr, J. T., Jr., 19.1-127
Howell, W. E., 19.8-199
Taubenfeld, H. J. et al., 19.11-218
Legalities of weather modification
Am. Met. Soc., 19.9-244
Baum, W. A., 19.9-245
Legendre polynomials
Mishin, V. M. et al., 19.3-448
Leonid meteor stream
Grjebine, T. et al., 19.4-187
Kazimirchak-Polonskaia, E. I., et al., 19.8-665
Leonids
Van Diggelen, J., 19.7-678
Levee effects on river level
Podani, M., 19.3-704
Level regime calculations
Kolkutin, V. I., 19.6-780
Savina, V. D., 19.6-786
Library catalogs
Journal of Scientific and Industrial Research, New Delhi, 19.11-73
Lichen—growth curve
Benedict, J. B., 19.4-738
Lichens
Martin, J. F. et al., 19.11-267
Lidar
Barrett, E. W., 19.2-70
Lidar in atmospheric research
Smith, S. D. et al., 19.4-60
Collis, R. T. H. et al., 19.7-358
Collis, R. T. H., 19.8-89
Lidars
Unthank, E. L., 19.7-116
Life in the solar system
Hitchcock, D. R. et al., 19.1-136
Life on Earth
Jastrow, R., 19.11-612
Life on Mars
Berkner, L. V. et al., 19.1-134
Hitchcock, D. R. et al., 19.1-136
Life on planets
Berkner, L. V. et al., 19.1-134
Meadows, A. J., 19.11-647
Life on Venus
Morowitz, H. et al., 19.1-486
Light absorption
Beasley, J. K. et al., 19.4-385
Light attenuation in sea water
Tyler, J. E., 19.9-750
Light diffusion by clouds
Plass, G. N. et al., 19.8-424
Light effects on ice
Camp, P. R. et al., 19.2-582
Light effects on plants
Coombe, D. E., 19.2-190
Hughes, A. P., 19.2-194
Westlake, D. F., 19.2-199
Light extinction in sea
Heavers, R. M., 19.7-736
Light intensities in forests
Evans, G. C., 19.2-192
Whitmore, T. C., 19.2-208
Light intensities in plant cover
Anderson, M. C., 19.2-89
Szeicz, G., 19.2-93
Light intensities in plant cover measurement techniques
Wiens, J. A., 19.6-299
Light intensity measurement techniques
Anderson, M. C., 19.2-89
Light measurement techniques in sea water
Jerlov, N. G., 19.2-535
Light penetration in sea
Kaigorodov, M. N., 19.4-630
Heavers, R. M., 19.7-736
Ivanov, A. P., 19.12-694
Light polarization—reflection spectra relationships
Reed, A. H. et al., 19.10-495
Light propagation through atmospheric turbulence
Fried, D. L., 19.3-360
Light scattering in hydrosols
Sherman, G. C. et al., 19.8-466
Light scattering in upper atmosphere
Rozenberg, G. V. et al., 19.9-553
Light scattering tables
Shifrin, K. S. et al., 19.6-456
Light transmission
Timofeeva, V. A. et al., 19.7-737
Nilsson, P. O., 19.8-331
Romanova, L. M., 19.11-512
Ivanov, A. P. et al., 19.11-513
Light transmission by lake water
Tyler, J. E. et al., 19.3-637
Smith, R. C. et al., 19.3-690
Schellenberger, G., 19.5-755
Light transmission by sea water
Timofeeva, V. A., 19.2-549
Busby, R. F., 19.3-635
Tyler, J. E. et al., 19.3-637
Timofeeva, V. A. et al., 19.7-737
Light transmission by water
Westlake, D. F., 19.2-199
Light transmission through clouds
Kattawar, G. W. et al., 19.8-328
Plass, G. N. et al., 19.9-372
Light transmission through haze
Gorchakov, G. I. et al., 19.11-514
Lightning conductors
Harvey, R. B. et al., 19.4-394
Lightning counters
Simidchiev, D. et al., 19.1-112
Boer, J. H., 19.1-113
Boer, J. H. et al., 19.10-152
Seemuller, W. W. et al., 19.12-99
Lightning damage
Ramsey, B. L., 19.10-504
Lightning discharge location
Wilkins, E. M. et al., 19.8-489
Lightning discharges
Fuquay, D. M. et al., 19.5-385
Jones, D. L. et al., 19.10-502
Lightning effects on nucleation of supercooled clouds
Goyer, G. G. et al., 19.12-327
Lightning effects on power lines
Chowdhuri, P. et al., 19.6-468
Lightning fatalities
Stommen, N. D., 19.7-485
Lightning fatality statistics
Zegel, F. H., 19.2-334
Lightning field changes
Bunn, C. C., 19.8-485
Lightning fires
Fuquay, D. M. et al., 19.5-385
Fuquay, D. M., 19.7-209
Lightning flashes
Bunn, C. C., 19.8-485
Lightning frequencies
Strommen, N. D., 19.7-485
Blevins, L. L. et al., 19.10-501
Lightning investigations
Krider, E. P. et al., 19.10-503
Lightning mechanisms
Fitzgerald, D. R., 19.5-384
Loeb, L. B., 19.5-386
Uman, M. A. et al., 19.6-467
Ligtning models
Orville, R. E., 19.12-457
Lightning protection
Harvey, R. B. et al., 19.4-394
Ramsey, B. L., 19.10-504
Lightning protection for power lines
Golde, R. H., 19.1-345
Lightning radiation
Krider, E. P. et al., 19.10-503
Lightning research
Berger, K., 19.1-344
Newman, M. M. et al., 19.2-333
Lightning research stations
Berger, K., 19.1-344
Lightning return strokes
Oetzel, G. N., 19.8-488
Lightning simulators
Newman, M. M. et al., 19.2-333

Lightning spectroscopy
Orville, R. E., 19.12-457
Lightning spectrum
Orville, R. E., 19.12-457
Lightning strokes
Golde, R. H., 19.1-345
Hill, E. L. et al., 19.8-486, 487
Oetzel, G. N., 19.8-488
Blevins, L. L. et al., 19.10-501
Lightning strokes on airplanes
Fitzgerald, D. R., 19.5-384
Lightning temperatures
Orville, R. E., 19.12-457
Lightning theories
Loeb, L. B., 19.5-386
Lightship observational data
Hamburg. Deutsches Hydrographisches Inst., 19.6-114
Denmark. Met. Inst., 19.8-701
Richter, J., 19.11-127
Lightship observations
Netherlands. Met. Inst., 19.7-118
Hamburg. Seewetteramt, 19.8-94
Lightship station, Elbe 1
Richter, J., 19.11-127
Limnological studies
Popov, E. A. et al., 19.3-687
Akademiia Nauk SSSR. Institut Geografii, 19.5-744
Rossolimo, L. L. et al., 19.5-745
Shil'krot, G. S., 19.5-746
Watson, D. G. et al., 19.7-795
Limnological survey
Horie, D., 19.7-786
Mortimer, C. H., 19.8-764
Horie, S., 19.12-786
Lincolnshire dialect
Robinson, D. N., 19.9-78
Line Islands Expedition
Wyrtki, K., 19.2-522
Lanterman, W. S., Jr. et al., 19.9-122
Line phenomena
Murasheva, M. S. et al., 19.12-657
Line source diffusion
Iordanov, D., 19.12-189
Liquid barometers
Corbyn, P. R., 19.3-87
Morasca, N., 19.4-106
Liquid content of hailstones
Gitlin, S. N. et al., 19.2-302
Liquid water content of clouds
Spyers-Duran, P. A., 19.12-313
Lithium abundance in solar photosphere
Dubov, E. E., 19.12-625
Lithium content in the T-Taurus stars
Gurzadian, G. A., 19.7-572
Lithium in cosmic ray particles
Gurzadian, G. A., 19.7-572
Lithium in photosphere
Peach, J. V., 19.12-655
Littoral currents
Shteinbakh, B. V., 19.9-457
Skriptunov, N. A., 19.9-795
Littoral sand transport
Bowen, A. J. et al., 19.5-690
Littoral sediment transport
Nambiar, K. K. N. et al., 19.4-686
Littoral transport
Beauchesne, P. et al., 19.4-684
Fairchild, J. C., 19.5-691
Liver fluke disease
Ollerenshaw, C. B., 19.7-72
Smith, L. P. et al., 19.7-73
Livestock production
Bond, T. E., 19.7-63
Local climatic studies
Okolowicz, W., 19.5-356
Local climatology
Faust, H., 19.10-460
Local forecasting
Jarvis, E. C., 19.7-186
Local pressure change–low visibility relationships
Cohen, S. M., 19.10-483
Local synoptic studies
Williams, P., Jr., 19.8-297
Local temperature forecasting
Dmitriev, A. A. et al., 19.9-224
Local weather studies
Williams, P., Jr., 19.8-297
U. S. Fed. Aviation Adm. Acad., 19.12-24
Local wind patterns
Augulis, R. P., 19.11-183
Local wind studies
Mahringer, W., 19.6-335
Lomonosov Current
Ponomarenko, G. P., 19.2-565
London weather
Brazell, J. H., 19.12-3
Long ocean wave propagation
Dore, B. D., 19.8-742
Long period geomagnetic fluctuations
Hirshberg, J. et al., 19.8-575
Long period records
Williams, D. H., 19.1-75
Bauer, A. F., 19.2-77
Soine, O. C., 19.8-97
Long period runoff variations
Bykov, V. D. et al., 19.1-16
Long period tides
Wunsch, C., 19.7-756
Long period wave recorders
Bondarenko, A. L. et al., 19.2-537
Long range agrometeorological forecasting
Meladze, G. G., 19.3-114
Long range forecast evaluation
Vorob'eva, E. V. et al., 19.2-116
Long range forecasting
Burlutskii, R. F. et al., 19.2-2
Charney, J. G., 19.3-123
Mintz, Y., 19.7-280
Girs, A. A., 19.9-324
Blinova, E. N., 19.10-176
Baidal, M. Kh., 19.11-195
Long range forecasting research
Schleusener, R. A. et al., 19.7-197
Long range forecasting seminars
Baur, F., 19.5-153
Long range forecasting techniques
Koppany, G., 19.1-123
Rahau, L. et al., 19.1-124
Pagava, S. T., 19.2-113
Court, A., 19.2-117
Mepistsveridze, E. I., 19.5-155
Aristov, N. A. et al., 19.12-129
Borisova, L. G. et al., 19.12-130
Zverev, N. I., 19.12-132
Long range forecasts
Vangengeim, G. Ia., 19.9-326
Long range forecasts at sea
Haltiner, G. J. et al., 19.9-233
Long range hurricane forecasting
Blumberg, R., 19.9-333
Long range hydrologic forecasting
Elakhovskii, S. B., 19.3-111
Long range ice forecasting
Kan, S. I. et al., 19.8-186
Long range lake ice forecasting
Beilinson, M. M., 19.5-751
Long range oceanographic forecasting
Chaplygin, E. I. et al., 19.2-112
Long range precipitation forecast evaluation
Abbot, C. G., 19.10-180
Long range precipitation forecasting
Vorob'eva, E. V. et al., 19.2-116
Papinashvili, K. I., 19.10-178
Abbot, C. G., 19.10-180
Long range precipitation forecasting techniques
Drogaitsev, D. A., 19.12-131
Long range rainfall forecasting
Lund, I. A. et al., 19.11-188
Lund, I. A., 19.12-123
Long range reservoir freeze-up forecasting
Beilinson, M. M., 19.5-751

- **Long range river flow forecasting**
  - Rudometov, M. V., 19.9-236
- **Long range river ice forecasting**
  - Ginzburg, B. M., 19.4-736
  - Makarevich, T. N. et al., 19.5-723
- **Long range river runoff forecasting**
  - Kharshan, A. A., 19.9-234
- **Long range sea ice forecasting**
  - Kan, S. I., 19.5-706
  - Volkov, N. A. et al., 19.5-707
  - U. S. Naval Oceanog. Off., 19.6-706
  - Kirillov, A. A., 19.12-751
- **Long range sea temperature forecasting**
  - Azernikova, S. A., 19.6-174
  - Maksimov, I. V. et al., 19.6-176
- **Long range statistical forecasting**
  - Fukuda, K, 19.5-154
  - Iudin, M. I., 19.6-178
- **Long range stream flow forecasts**
  - Burakov, D. A., 19.3-110
  - Kharshan, A. A. et al., 19.3-112
- **Long range temperature forecasting**
  - Todaro, C., 19.10-169
  - Vachnadze, D. I., 19.10-170
- **Long range weather forecasting**
  - Wada, H. et al., 19.12-203
- **Long wave amplification predictions**
  - Williams, J. A. et al., 19.5-695
- **Long wave propagation**
  - Wait, J. R., 19.10-78
- **Long wave propagation in fluids**
  - McGoldrick, L. F., 19.12-169
- **Long wave radiation**
  - Kondo, J., 19.2-200
- **Long wave radiation charts**
  - Winston, J. S. et al., 19.4-247
- **Long wave radiation computation**
  - Zhvalev, V. F., 19.1-219
  - Anderson, E. A. et al., 19.3-203
- **Long wave radiation flux**
  - Barashkova, E. P. et al., 19.1-100
  - Kurilova, Iu. V. et al., 19.4-257
  - Kostianoi, G. N. et al., 19.5-223
  - Drayson, S. R., 19.8-337
- **Long wave radiation flux calculations**
  - Kostianoi, G. N., 19.9-352
- **Long wave radiation influx**
  - Feigel'son, E. M., 19.12-242
- **Long wave radiometers**
  - Vittori, A. O. et al., 19.2-94
- **Long waves**
  - Corby, G. A. et al., 19.3-171
  - Vukovich, F. M. et al., 19.11-487
- **Long waves in the ocean**
  - Crepon, M., 19.4-652
  - Zetler, B. D., 19.4-694
  - Abrashina, N. N., 19.5-696
- **Longshore current velocity**
  - Galvin, C. J., Jr., 19.1-574
- **Loran radio wave propagation**
  - Legg, A. J. et al., 19.2-63
  - Gherzi, E., 19.2-353
  - Johler, J. R. et al., 19.8-73
- **Loran-C system**
  - Dean, W. N., 19.11-700
- **Love wave propagation**
  - Singh, K., 19.12-527
- **Love's number determination**
  - Kozai, Y., 19.5-534
- **Low cloud forecasting**
  - Bryan, J. G. et al., 19.7-178
- **Low cloud formation**
  - Abramovich, K. G., 19.5-296
- **Low cloudiness**
  - Ostby, F. P. et al., 19.3-281
  - Abramovich, K. G., 19.6-334
- **Low clouds**
  - Ostby, F. P. et al., 19.3-281
  - Zaverina, M. V. et al., 19.12-343
- **Low energy cosmic ray particles**
  - Habing, H. J. et al., 19.2-428
  - Malmqvist, L., 19.7-575
- **Low-energy electrons**
  - Brunstein, K. A., 19.5-442
- **Low frequency**, *see* **LF as acronym**
- **Low latitude airglow**
  - Steiger, W. R., 19.2-419
  - Sears, R. D., 19.3-418
- **Low latitude aurora–magnetic storm relationships**
  - Weill, G. et al., 19.7-563
- **Low latitude ionosphere**
  - Vila, P., 19.11-545
- **Low level counting**
  - Symp. on Radioactive Dating and Methods..., Monaco, 1967, 19.10-19
- **Low level jet stream**
  - Findlater, J., 19.1-271
  - Darkow, G. L. et al., 19.2-241
  - Bonner, W. D. et al., 19.5-107
  - Holton, J. R., 19.6-333
  - Bonner, W. D. et al., 19.9-463
  - Tsverava, V. G., 19.9-464
- **Low level turbulence**
  - Etkin, B. et al., 19.1-48
  - Cramer, H. E. et al., 19.1-246
  - Gault, J. D., 19.5-243
  - Pinus, N. Z., 19.10-355
  - Gault, J. D. et al., 19.11-78
- **Low level wind measurement techniques**
  - Gorelik, A. G. et al., 19.4-73
- **Low level wind structure**
  - Kawanabe, Y., 19.10-371
- **Low level wind studies**
  - Abramovich, K. G., 19.6-334
  - Cochrane, J. A. et al., 19.9-430
- **Low level winds**
  - Preston-Whyte, R. A., 19.12-217
- **Low pressure areas**
  - U. S. Air Weather Serv. 1st Weather Wing, 19.12-128
- **Low temperature effects on ice crystal growth**
  - Otsuka, K. et al., 19.7-430
- **Low temperature measurement techniques**
  - Sinclair, D. H. et al., 19.9-175
- **Low temperature probabilities**
  - Green, C. R. et al., 19.5-229
- **Low temperatures**
  - Finn, E. A., 19.1-230
  - Tattelman, P. I., 19.10-302
- **Low visibility investigations**
  - Cohen, S. M., 19.10-483
- **Lower ionosphere**
  - Ondoh, T. et al., 19.1-383
  - Nestorov, G. et al., 19.3-433
  - Brown, G. M. et al., 19.4-410
  - Goodman, J. M., 19.4-420
  - Kaufmann, P. et al., 19.7-512
  - Keller, G. E., 19.10-537
- **Lower stratospheric temperatures**
  - Ebdon, R. A., 19.8-358
- **Lower stratospheric vortex**
  - Borodina, A. V., 19.4-146
- **Lower stratospheric winds**
  - Ebdon, R. A., 19.8-358
  - Nolan, G. F., 19.10-388
- **Lower thermosphere**
  - Champion, K. S. W., 19.8-247
- **Lower thermospheric composition**
  - Johnson, E. R. et al., 19.7-239
  - Mauersberger, K. et al., 19.7-240
  - Schaefer, E. J., 19.8-259
- **Lower thermospheric densities**
  - Golomb, D. et al., 19.8-218
  - Lindblad, B. A., 19.8-221
- **Lower thermospheric temperatures**
  - Schaefer, E. J., 19.8-259
- **Lower troposphere**
  - Hay, D. R., 19.2-313
  - Johnson, W. B., Jr., 19.6-225
  - Burtsev, I. I. et al., 19.11-256
  - Gerrish, H. P., 19.12-254
- **Lower troposphere relative humidity**
  - Thompson, A. H. et al., 19.9-355

Lower tropospheric propagation
Kulshrestha, S. M. et al., 19.6-231
Luminance variations
Boileau, A. R., 19.8-464
Luminescence of lunar soil
Blamont, J. E. et al., 19.9-672
Lunar atmosphere contamination
Milford, S. N. et al., 19.1-484
Lunar atmospheric tides
Lindzen, R. S., 19.1-331
Haurwitz, B. et al., 19.10-320
Lunar brightness
Davydov, V. D., 19.2-490
Lunar brightness variations
Palm, A., 19.1-476
Middlehurst, B. M., 19.2-492
Lunar composition
Aronowitz, L. et al., 19.10-674
Turkevich, A. L. et al., 19.10-678
Lunar cooling
Wildey, R. L., 19.3-549
Lunar coordinates
Mills, G. A., 19.8-653
Lunar crater distribution
Ronca, L. B. et al., 19.12-587
Lunar crater formation
Whipple, F. L., 19.1-494
Sun, J. M. S., 19.8-652
Lunar crater structures
Trask, N. J. et al., 19.7-662
Bruman, J. R., 19.8-649
Hixon, S. B., 19.11-637
Lunar crater Tycho
Strom, R. G. et al., 19.9-678
Lunar craters
Chapman, W. B., 19.6-599
Betinis, E. J., 19.7-654
Chapman, C. R., 19.8-650
Staley, D. O., 19.8-654
Strom, R. G. et al., 19.9-678
Lunar daily variations
Matsushita, S., 19.10-616
Lunar diurnal geomagnetic variations
Gupta, J. C., 19.1-432
Malin, S. R. C., 19.1-433
Fanselau, G., 19.7-595
Rastogi, R. G., 19.8-572
Lunar dust charge studies
Sartory, P. K., 19.7-657
Lunar eclipse brightness variations
Kovachev, B. Zh., 19.1-478
Lunar effects on auroras
Stoffregen, W., 19.10-579
Lunar effects on energetic particle fluxes
Lin, R. P., 19.9-594
Lunar ejecta
Shapiro, I. I. et al., 19.1-148
Lunar emission flares
Phillips, J. G. et al., 19.1-477
Lunar exploration
Kopal, Z., 19.3-4
U. S. National Aeronautics and Space Admin., 19.4-573
Miles, H., 19.8-623
Sky and Telescope, 19.8-648
Scherer, L. R., 19.9-680
Vaughan, O. H., Jr., 19.10-679
Petri, W., 19.11-633
Lunar geology
Von Buelow, K., 19.1-483
Oepik, E. J., 19.6-596
McCall, G. J. H., 19.11-639
Lunar geomagnetic tides
Zaguliaeva, V. A. et al., 19.8-538
Lunar gravitational field
Tolson, R. H. et al., 19.9-673
Kovalevsky, J., 19.10-672
Akim, E. L., 19.11-644
Kaula, W. M., 19.12-590
Lunar halos
Davydov, V. D., 19.2-490
Lunar ionospheric effects
Harnischmacher, E., 19.11-538
Lunar ionospheric tides
Narayana Rao, N. et al., 19.4-434
Sharma, R. P. et al., 19.4-448
Matsushita, S., 19.5-8
Sharma, R. P. et al., 19.7-533
Lunar landings
Von Buelow, K., 19.1-483
De Vries, Tj. E. et al., 19.3-551
Hughes Aircraft Co. Space Systems Div., 19.5-22
Davies, J. G., 19.5-538
Perel, D. H. et al., 19.5-554
Spradley, L. H. et al., 19.5-558
Gatland, K. W., 19.8-647
Sky and Telescope, 19.8-648
Aronowitz, L. et al., 19.10-674
Vaughan, O. H., Jr., 19.10-679
Stubbs, P., 19.11-642
Shoemaker, E. M. et al., 19.12-588
Lunar luminance
Palm, A., 19.1-476
Lunar luminescence
Mironova, M. N., 19.11-640
Lunar magnetic field
Dolginov, Sh. Sh. et al., 19.1-86
Pochtarev, V. I., 19.2-498
Smith, E. J., 19.3-539
Colburn, D. S. et al., 19.3-553
Sonett, C. P. et al., 19.3-554
Ness, N. F. et al., 19.5-556
Dungey, J. W. et al., 19.7-655
Michel, F. C., 19.8-655
Zhuzgov, L. N. et al., 19.11-645
Lunar magnetosphere
Colburn, D. S. et al., 19.3-553
Ness, N. F. et al., 19.5-556
Michel, F. C., 19.8-655
Johnson, F. S. et al., 19.9-679
Lunar maria
Guest, J. E. et al., 19.10-676
Turkevich, A. L. et al., 19.10-678
Lunar morphology
Firsoff, V. A., 19.8-651
Lunar nomenclature
Rodionova, Zh. F. et al., 19.2-496
Lunar occultation observations
Kundu, M. R. et al., 19.8-689
Lunar Orbiter photographs
Trask, N. J. et al., 19.7-662
Lunar Orbiters
Kovalevsky, J., 19.10-672
Lunar origin of meteorites
Mueller, G., 19.6-605
Lunar origin of tektites
O'Keefe, J. A., 19.3-582
Lunar phase–precipitation relationships
Hofmeyr, W. L., 19.2-291
Visvanathan, T. R., 19.7-419
Lunar photographs
Smith, B. G., 19.1-481
Von Buelow, K., 19.1-483
Boeing Co., Seattle, Wash., 19.5-557
Spradley, L. H., et al., 19.5-558
Fulmer, C. V. et al., 19.6-594
Chapman, C. R., 19.8-650
Mills, G. A., 19.8-653
Scherer, L. R., 19.9-680
Heacock, R. L., 19.11-631
Hixon, S. B., 19.11-637
Lunar photography
Boeing Co., Seattle, Wash., 19.5-557
Cronin, J. F. et al., 19.6-600
Lunar photometry
Rackham, T. W., 19.6-591
Lunar polarimetry
Avramchuk, V. V., 19.11-630
Lunar probes
Von Buelow, K., 19.1-483
Milford, S. N. et al., 19.1-484
Cherkasov, I. I. et al., 19.4-574
Davies, J. G., 19.5-538
Fulmer, C. V. et al., 19.6-594
Miles, H., 19.8-623
Guest, J. E. et al., 19.10-676
Petri, W., 19.11-633
Lunar radiation
Rehnberg, J. D. et al., 19.1-480

Lunar radius determination
Williams, J. R. et al., 19.11-634
Lunar research
Kovalevsky, J., 19.10-672
Lunar satellite orbits
Felsentreger, T. L., 19.7-656
Lunar satellites
Miles, H., 19.8-623
Scherer, L. R., 19.9-680
Kovalevsky, J., 19.10-672
Schmid, P. E., 19.11-605
Shapiro, A. et al., 19.11-635
Lunar semidiurnal tides
Haurwitz, B. et al., 19.12-283
Lunar shadow studies
Moore, P., 19.7-659
Lunar shape
Kaula, W. M., 19.12-590
Lunar site studies
Sky and Telescope, 19.8-658
Lunar spectra
Sergeeva, A. N., 19.6-597
Lunar spectroscopy
Goetz, A. F. H. et al., 19.6-590
Lunar structure
Safronov, V. S., 19.6-589
Lunar surface
Smith, B. G., 19.1-481
Von Buelow, K., 19.1-483
Wildey, R. L. et al., 19.3-550
Krupenio, N. N., 19.4-572
Alekseev, V. A. et al., 19.5-548
Oepik, E. J., 19.6-596
Sergeeva, A. N., 19.6-597
Miller, D. M., 19.6-598
Beckmann, P., 19.7-653
Betinis, E. J., 19.7-654
Trask, N. J. et al., 19.7-662
Meloy, T. et al., 19.9-675
Strom, R. G. et al., 19.9-678
Adams, J. B., 19.10-673
Campbell, M. J. et al., 19.10-675
Hapke, B., 19.10-677
Holdsworth, D. W. et al., 19.11-628
Stubbs, P., 19.11-642
Lunar surface density
Campbell, M. J. et al., 19.10-675
Lunar surface exploration
Rehnberg, J. D. et al., 19.1-480
De Vries, Tj. E. et al., 19.3-551
Cherkasov, I. I. et al., 19.4-574
Hagfors, T. et al., 19.12-584
Lunar surface features
Rodionova, Zh. F. et al., 19.2-496
Fulmer, C. V. et al., 19.6-594
Krall, A. M., 19.7-660
Mills, G. A., 19.8-653
Guest, J. E. et al., 19.10-676
Bastin, J. A., 19.11-636
Lipskii, Iu. N. et al., 19.11-638
Lunar surface layer models
Copeland, J., 19.6-593
Hagfors, T. et al., 19.12-584
Lunar surface materials
Rehnberg, J. D. et al., 19.1-480
Vinogradov, A. Pl. et al., 19.1-482
Adams, J. B., 19.2-493
De Wys, J. N., 19.2-494
Filice, A. L., 19.2-495
Stubbs, P., 19.2-497
Christensen, E. M. et al., 19.3-552
O'Keefe, J. A., 19.3-581, 582
Sharp, A., 19.5-555
Hapke, B. W., 19.6-595
Mueller, G., 19.6-605
Jaffe, L. D., 19.9-674
Vinogradov, A. P. et al., 19.9-676
Aronowitz, L. et al., 19.10-674
Turkevich, A. L. et al., 19.10-678
Mironova, M. N., 19.11-640
Stubbs, P., 19.11-642
Hagfors, T. et al., 19.12-584
Lunar surface models
Six, N. F., 19.11-345
Lunar surface properties
Scott, R. F., 19.11-641
Lunar surface scattering properties
Fung, A. K., 19.1-479
Lunar surface strength
Christensen, E. M. et al., 19.3-552
Lunar surface structure
Kuiper, G. P., 19.6-588
Sienko, M. J. et al., 19.12-589
Lunar surface studies
Marwick, C., 19.7-661
Lunar surface temperatures
Wang, J. T., 19.11-643
Lunar tail
Dungey, J. W. et al., 19.7-655
Lunar temperatures
Rehnberg, J. D. et al., 19.1-480
Safronov, V. S., 19.6-589
Copeland, J., 19.6-593
Lunar thermal emission
Smith, B. G., 19.1-481
Perel, D. H. et al., 19.5-554
Six, N. F., 19.11-345
Lunar tides
Matsushita, S., 19.5-8
Maksimov, I. V. et al., 19.6-689
Palumbo, A., 19.10-319
Lunar topography conferences
International Conference on Selenodesy and Lunar Topography, 2nd, Univ. of Manchester, England, May 30-June 4, 1966, 19.1-22
Lunar volcanic processes
McCall, G. J. H., 19.11-639
Lunar X-radiation
Mandel'shtam, S. L. et al., 19.2-491
Lunar X-ray radiation
Mandel'shtam, S. L. et al., 19.11-632
Lyman alpha absorption
Storer, S. H. et al., 19.8-690
Lyman alpha emission
Kondo, Y. et al., 19.4-474
Lyman alpha observations
Barth, C. A., 19.12-222
Lyman alpha radiation in solar filaments
Iakovkin, N. A. et al., 19.12-637
Lyman alpha radiation measurements
Kurt, V. G., 19.9-353
Barth, C. A. et al., 19.9-683
Lyman beta radiation measurements
Young, J. M. et al., 19.10-209
Lyot coronagraph
Gnevyshev, M. N. et al., 19.5-542
Lyrid spectrum
Degewij, J., 19.7-679
Lysimeter investigations
Mustonen, S. E. et al., 19.3-272
Lysimeter measurements
Schroeder, M. et al., 19.12-809
Lysimeters
Iwakiri, S., 19.9-474
Lysimetry
Tanner, C. B., 19.7-98

M

M (3000)F2 variations
Siddiqui, M. M. et al., 19.9-606
MOSES (Meteorological Observing Station, Extremely Simple)
Lally, V. E. et al., 19.4-126
Macrocirculation fields
Dubko, I. V., 19.10-167
Macrocirculation process fluctuations
Golubtsov, V. V., 19.10-780
Macroturbulence
Kao, S. K., 19.3-163

Macroturbulence energy
Ignatiushina, E. N., 19.8-283
Magellanic cloud cepheids
Rodgers, A. W. et al., 19.8-630
Magnesium in sea water
Mameli, D. et al., 19.10-735
Magnetic activity distribution
Mishin, V. M., 19.5-487
Mishin, V. M. et al., 19.5-488
Magnetic activity–interplanetary magnetic field relationships
Siebert, M., 19.9-634
Magnetic axis
Keimatsu, M. et al., 19.11-565
Magnetic character figures
Gupta, J. C. et al., 19.9-635
Magnetic charts
Alldredge, L. R. et al., 19.6-538
Behrendt, J. C. et al., 19.9-36
Magnetic conjugacy
Nagata, T., 19.6-530
Magnetic dipole
Parker, E. N. et al., 19.2-448
Magnetic disturbance distribution
Mishin, V. M., 19.5-487
Magnetic disturbances
Bostroem, R., 19.4-529
Magnetic disturbances in high latitude
Heppner, J. P., 19.3-457
Magnetic disturbances in low latitudes
Iaremenko, L. N., 19.9-630
Magnetic disturbances–magnetospheric processes relationships
Afonina, R. G. et al., 19.11-566
Magnetic effects on radio wave propagation
Bachynski, M. P., 19.8-75
Magnetic field changes
As, J. A., 19.4-508
Magnetic field decay
Stubbs, H. E., 19.10-607
Magnetic field effects
Gerwin, R., 19.6-537
Magnetic field effects on satellite-borne electrostatic analyzers
Kuck, G. A., 19.2-441
Magnetic field effects on solar wind
Wolf, R. A., 19.12-556
Magnetic field effects on telluric currents
Meunier, J., 19.10-604
Magnetic field fluctuations
Jokipii, J. R., 19.7-590
Magnetic field in solar corona
Vitkevich, V. V. et al., 19.12-567
Magnetic field measurement techniques
Ness, N. F., 19.11-563
Zhuzgov, L. N. et al., 19.11-645
Magnetic field measurements
Maizuru, Japan. Marine Observ., 19.9-741
Magnetic field of solar corpuscular streams
Ballif, J. R. et al., 19.5-500
Magnetic fields of ocean waves
Fraser, D. C., 19.3-656
Magnetic gradiometers
Reznik, E. E., 19.5-461
Magnetic index
Shapiro, R., 19.4-523
Lincoln, J. V., 19.10-621
Magnetic micropulsations
Hessler, V. P., 19.7-600
Magnetic pole movement
Winch, D. E., 19.2-451
Cain, J. C. et al., 19.9-18
Magnetic properties of rocks
Gnilko, M. K. et al., 19.12-529
Magnetic resonance
Pokazan'ev, V. G. et al., 19.12-447
Magnetic spherules deposition
Vittori, A. O., 19.12-149
Magnetic storm data
Maisuradze, P. A. et al., 19.3-487
Magnetic storm effects
Axford, W. I., 19.3-522
Magnetic storm effects on ionosphere
King, J. W. et al., 19.7-516
Magnetic storm morphology
Bhargava, B. N., 19.4-522
Meng, C. I. et al., 19.5-501
Bouska, J., 19.7-602
Fanselau, G. et al., 19.7-603
Best, A., 19.7-608
Cole, K. D., 19.11-583
Rikitake, T., 19.12-538
Best, A., 19.12-539
Magnetic storm theories
Parker, E. N. et al., 19.2-448
Atkinson, G., 19.3-488
Axford, W. I., 19.4-538; 19.7-622
Hirshberg, J., 19.7-624
Maguire, J. J., 19.11-585
Magnetic storm variations
Best, A., 19.7-608
Iaremenko, L. N., 19.9-630
Best, A., 19.12-539
Magnetic storms and auroras
Smith, R. W. et al., 19.6-513
Magnetic variations
Mishin, V. M., 19.5-487
Magnetic variometers
Gough, D. I. et al., 19.5-463
Magnetization of lavas
Wilson, R. L., 19.3-454
Baksi, A. K. et al., 19.5-477
Magnetization of rocks
Parry, L. G. et al., 19.5-464
Opdyke, N. D. et al., 19.8-570
Hurley, P. M., 19.12-530
Magnetodynamic turbulence
Nihoul, J. C. J., 19.6-496
Magnetographic measurements
Severnyi, A. B., 19.12-622
Magnetographs
Brueckner, G., 19.6-623
Magnetohydrodynamic equations
Wang, C. Y., 19.12-548
Magnetohydrodynamic theories
Ferraro, V. C. A., 19.4-531
Magnetohydrodynamic wave propagation
Radoski, H. R., 19.1-437
Abraham, B. (S.), 19.5-512
Murphy, B. L. et al., 19.8-571
Magnetohydrodynamic waves
Krasovskii, V. I., 19.8-254
Lynn, Y. M., 19.12-546
Magnetohydrodynamic waves in plasma
Sakagami, Y. et al., 19.3-516
Magnetohydrodynamics
Maksumov, M. N., 19.3-510
Van'ian, L. L. et al., 19.9-641
Dungey, J. W., 19.12-545
Magneto-ionic coupling
Inoue, Y. et al., 19.12-490
Magneto-ionic theories
Poeverlein, H., 19.12-505
Magneto-ionic waves
Rydbeck, O. E. H., 19.9-601
Magnetometers
Giorgi, M. et al., 19.9-629
Ness, N. F., 19.11-563
Magnetopause
Anderson, K. A. et al., 19.7-611
Sonnerup, B. U. O. et al., 19.7-615
Magnetopause variations
Obayashi, T., 19.11-587
Magnetosonic waves
Van'ian, L. L. et al., 19.5-524
Magnetosphere
Pieper, G. F., 19.1-436
Rossi, B., 19.1-438
Chapman, S., 19.4-546
Internatl. Sci. Radio Union, 15th, Munich, 1966, 19.9-30
Kern, J. W., 19.11-588
Magnetosphere composition
Nakada, M. P. et al., 19.12-547
Magnetosphere form
Kavanagh, L. D., Jr., 19.4-533
Magnetosphere phenomena
Nishida, A., 19.7-617

Magnetosphere properties
  Smith, R. L. et al., 19.3-373
  Sagalyn, R. C. et al., 19.8-269
Magnetosphere shape
  Wentworth, R. C., 19.3-521
Magnetosphere structure
  Samokhin, M. V., 19.1-439
Magnetospheric boundary
  Freeman, J. W., Jr. et al., 19.3-505
  Heppner, J. P., 19.3-507
  Nishida, A., 19.3-513
  Rudneva, N. M., 19.5-469
  Anderson, K. A. et al., 19.7-611
  Blum, R., 19.7-612
  Rudneva, N. M., 19.7-614
  Faye-Petersen, R. et al., 19.10-632
Magnetospheric boundary stability
  Southwood, D. J., 19.10-630
Magnetospheric cavity
  Wentworth, R. C., 19.3-521
Magnetospheric charged particles
  O'Brien, B. J., 19.8-589
Magnetospheric convection
  Walbridge, E., 19.2-461
Magnetospheric dynamics
  Walbridge, E., 19.2-461
  Brice, N. M., 19.3-502
  Axford, W. I., 19.3-522
  Spreiter, J. R. et al., 19.10-636
Magnetospheric electric field measurement techniques
  Boyd, R. L. F., 19.3-501
  Fahleson, U., 19.3-504
Magnetospheric electric fields
  Samokhin, M. V., 19.1-439, 440
  Bostroem, R., 19.2-395
  Alfven, H., 19.3-500
  Boyd, R. L. F., 19.3-501
  Maeda, K., 19.3-508
  Obayashi, T. et al., 19.8-588
Magnetospheric electron burst effects on ionosphere
  Driatskii, V. M., 19.5-402
Magnetospheric electron density
  Malyshev, A. B., 19.10-544
Magnetospheric electrons
  Van'ian, L. L. et al., 19.1-442
  Hones, E. W. et al., 19.4-507
  Anderson, K. A. et al., 19.7-611
Magnetospheric heating
  Tamao, T., 19.3-520
Magnetospheric investigations
  Gul'el'mi, A. V., 19.1-159
  Helliwell, R. A., 19.4-551
  Heppner, J. P. et al., 19.5-455
  Iazarus, A. J. et al., 19.7-613
  Lyon, E. et al., 19.8-587
Magnetospheric ionization
  Yoh, P., 19.4-537
  Bouriot, M. et al., 19.10-627
Magnetospheric models
  Nishida, A. et al., 19.3-512
  Hones, E. W., Jr. et al., 19.4-507
  Dungey, J. W., 19.8-581
Magnetospheric motions
  Walbridge, E., 19.2-461
  Brice, N. M., 19.3-502
Magnetospheric oscillations
  Siscoe, G. L. et al., 19.4-513
Magnetospheric physics
  Natl. Research Council, Wash., D.C. U. S. Natl. Committee of the URSI, 19.1-434
  Hones, E. W. et al., 19.4-507
Magnetospheric plasma density
  Kitamura, T., 19.11-589
Magnetospheric plasma dynamics
  Mainstone, J. S., 19.3-509
  Hones, E. W. et al., 19.4-507
  Obayashi, T. et al., 19.8-588
Magnetospheric propagation
  Kimura, I., 19.7-610
Magnetospheric radio wave propagation
  Schoute-Vanneck, C. A. et al., 19.4-558
  Gothard, N., 19.7-507
Magnetospheric research
  Kern, J. W., 19.5-468
  Schardt, A. W. et al., 19.6-517
  Troitskaia, V. A. et al., 19.9-640
Magnetospheric rotation
  Alfven, H., 19.6-542
Magnetospheric shape
  Ness, N. F., 19.1-91
Magnetospheric substorms
  Parks, G. K. et al., 19.7-618
  McPherron, R. L. et al., 19.7-619
  Coroniti, F. V. et al., 19.7-620
Magnetospheric tail
  Hagfors, T., 19.3-506
  Heppner, J. P., 19.3-507
  Nishida, A. et al., 19.3-512
  Sakurai, K., 19.3-517
  Dessler, A. J., 19.4-505
  Ivanov, K. G. et al., 19.8-582
  Lin, W. C. et al., 19.9-617
  Patel, V. L., 19.10-629
  Obayashi, T., 19.11-587
  Willis, D. M., 19.12-549
Magnetospheric tail investigations
  Murayama, T. et al., 19.7-616
Magnetospheric temperatures
  Tamao, T., 19.3-520
  Gringauz, K. I., 19.8-355
  Spreiter, J. R. et al., 19.8-602
Magnetospheric wake
  Wolfe, J. H. et al., 19.2-469
Magnetospheric waves
  Van'ian, L. L. et al., 19.1-442
  Liatskii, V. B., 19.3-481
Magnetospheric whistler propagation
  Carpenter, D. L., 19.10-505
Magnetotelluric measurements
  Price, A. T., 19.10-605
Magnetotelluric soundings
  Horton, C. W., 19.5-452
Mammalian reproduction
  Ulberg, L. C., 19.7-67
Manned satellites
  U. S. Natl. Aeron. and Space Admin., 19.1-9
Manned space flight photographs
  Underwood, R. W., 19.6-556
Manned space flights
  Hughes Aircraft Co. Space Systems Div., 19.5-22
  Ballentine, W. A., 19.6-62
Man's effect on vegetation
  Holtmeier, F. K., 19.6-74
Man's influence on climate
  Changnon, S. A., Jr., 19.5-307
Man's influence on lakes
  Akademiia Nauk SSSR. Institut Geografii, 19.5-744
  Rossolimo, L. L. et al., 19.5-745
  Shil'krot, G. S., 19.5-746
  Zharikov, S. S., 19.5-750
Man's influence on soil
  Dotzenko, A. D. et al., 19.6-430
Map analysis
  Zurflueh, E. G., 19.7-166
Map preparation
  Salishchev, K. A., 19.9-37
Marine aerological ascents
  Vasil'chenko, I. V. et al., 19.8-101
Marine air
  Schroeder, M. J., 19.4-239
Marine biological research
  California. Univ., San Diego. Institute of Marine Resources, 19.2-514
Marine climates
  Roberts, J. A., 19.7-457
Marine climatic charts
  U. S. Weather Bureau, 19.9-38
Marine climatic data
  Japan, Met. Agency, Tokyo, 19.11-131
Marine climatology
  Bumpus, D. F., 19.7-444
  U. S. Naval Oceanog. Off., 19.10-65
Marine engineering
  U. S. Office of the Oceanog. of the Navy, 19.8-696

Krieg, J. L., 19.9-339
Marine equipment
Tuthill, A. H., 19.8-699
Marine foraminifera studies
Shackleton, N., 19.12-437
Marine forecasting
Moshenichenko, I. E., 19.4-163
Karakash, A. I. et al., 19.7-165
Marine forecasting services
Istoshin, Iu. V. et al., 19.8-191
Marine geological research
Weiss, M. et al., 19.6-53
Marine geophysical investigations
Weiss, M. et al., 19.6-53
Morelli, C., 19.12-688
Marine geophysical observations
Buckwalter, G. E., 19.1-585
Marine geophysical surveys
Texas Instruments Inc., Dallas, 19.4-610
Marine hydrometeorological forecasts
Isotoshin, Iu. V. et al., 19.8-191
Marine influences on estuaries
Majewski, A., 19.11-744
Marine magnetic surveys
Bracey, D. R., 19.3-620
Avery, O. E. et al., 19.3-633
Bassinger, B. S., 19.7-582
Ross, D. I. et al., 19.10-713
Marine meteorological data
Saint Thomas University, Houston. Institute for Storm Research, 19.4-88
Tokyo. Tokai Regional Fisheries Research Lab., 19.4-90
Geonautics, Inc., Wash., D.C., 19.7-82
Japan. Met. Agency, 19.7-83
Darchen, J., 19.8-91
Filippov, V. V. et al., 19.9-157
Dahme, A., 19.11-137
Marine meteorological data processing
Wellman, F., 19.6-101
Marine meteorological forecasting
Darchen, J., 19.5-674
Marine meteorological instruments
Perry, K. E. et al., 19.9-749
Marine meteorological networks
Darchen, J., 19.8-91
Marine meteorological observation techniques
Robinson, G. D., 19.1-60; 19.6-99
Darchen, J., 19.8-91
Marine meteorological observations
Japan. Meteorological Agency, 19.1-2
Koptev, A. P., 19.2-79
Hamburg. Seewetteramt, 19.8-94
Marine meteorological research
Bortkovskii, R. S. et al., 19.12-733
Marine meteorological services
World Meteorological Organization, 19.1-44
Moshenichenko, I. E., 19.4-163
Marine meteorology
Verploegh, G., 19.10-67
Marine micro-organisms
Brogden, W. B. et al., 19.11-691
Marine regression
Hoyt, J. H., 19.1-536
Marine science conferences
Offshore Explor. Conf., 2nd, Long Beach, Calif., Feb. 21-23, 1967, 19.9-729
Marine science programs
U. S. President, 1963- (Johnson), 19.4-601; 19.9-15
Michigan. Univ., Ann Arbor. Great Lakes Res. Div., 19.9-724
Marine sediment age determination
Emiliani, C., 19.7-767
Marine sediment cores
Cita, M. B. et al., 19.6-437
Marine sediment studies
Sillen, L. G., 19.12-664
Marine sediment tracers
Patrikeev, V. V. et al., 19.12-739
Marine sediment transport
Kolp, O. et al., 19.1-11
Marine stratification
Bogdanova, A. K. et al., 19.9-778
Marine transgressions
Hoyt, J. H., 19.1-536
Redfield, A. C., 19.5-642
Cullen, D. J., 19.6-654
Russell, K. L., 19.12-686
Marine weather stations
Scott, M. I. et al., 19.7-728
Mariner 2 observations of Venus
Pollack, J. B. et al., 19.2-499
Mariner 4 charged particle measurements
Neher, H. V. et al., 19.4-492
O'Gallagher, J. J., 19.4-493
Mariner 4 magnetic measurements
Siscoe, G. L. et al., 19.4-513
Mariner 4 photographs
New Scientist, London, Aug. 1967, 19.5-576
Mariner-Mars Project
Calif. Inst. of Tech. Jet Propul. Lab., 19.9-19
Maritime air masses
Quenzel, H., 19.1-214
Markov chain model
Feyerherm, A. M. et al., 19.2-290
Marchenko, A. S., 19.3-35
Watterson, G. A. et al., 19.6-399
Gringorten, I. I., 19.12-59
Markov theory
Adenstedt, R. K., 19.11-108
Marling effects on soil climate
Taylor, J. A., 19.7-333
Mars
Michaux, C. M., 19.5-573
Martian atmosphere
Berkner, L. V. et al., 19.1-134
Miyamoto, S., 19.2-501
Gray, L. D., 19.3-562
Drayson, S. R., 19.8-337
Harrington, J. V. et al., 19.9-670
Bates, F. C., 19.9-685
Gierasch, P. et al., 19.10-686
Kliore, A. J., 19.11-651
Heuseler, H., 19.12-601
Martian atmospheric composition
Hitchcock, D. R. et al., 19.1-136
Martian atmospheric heating
Gierasch, P. et al., 19.3-561
Martian atmospheric luminance
Miyamoto, S., 19.5-574
Martian atmospheric models
Minin, I. N., 19.9-688
Martian atmospheric optics
Minin, I. N., 19.9-688
Pollack, J. B. et al., 19.10-687
Martian atmospheric pressure
Gray, L. D., 19.3-562
Sagan, C. et al., 19.3-563
Martian brightness
O'Leary, B. T., 19.2-502
De Vaucouleurs, G., 19.7-670
Sagan, C. et al., 19.11-652
Martian canals
Filippov, Iu. K., 19.6-603
Martian circulation
Miyamoto, S., 19.2-501; 19.5-574
Martian constitution
Harrison, H. et al., 19.9-687
Martian dark areas
Sagan, C. et al., 19.3-563
De Vaucouleurs, G., 19.7-670
Martian dust
Sagan, C. et al., 19.11-652
Martian ionosphere
Sagan, C. et al., 19.1-489
McElroy, M. B., 19.5-572

Martian meteorology
  Mottoni, G. de, 19.1-488
  Bates, F. C., 19.9-685
  Gierasch, P. et al., 19.10-686
Martian observations
  Dragesco, J., 19.3-560
Martian oppositions
  O'Leary, B. T., 19.2-502
  Mottoni, F. de, 19.5-575
Martian orography
  Mottoni, G. de, 19.5-575
Martian photographs
  Mottoni, G. de, 19.5-575
  New Scientist, London, Aug. 1967, 19.5-576
Martian polar cap expansion
  Heuseler, H., 19.12-601
Martian probes
  DeRose, C. E., 19.5-571
  Nicks, O. W., 19.5-577
  Darnell, W. L. et al., 19.9-686
Martian radio waves
  Harrington, J. V. et al., 19.9-670
Martian surface
  Adams, J. B., 19.10-673
  Hartmann, W. K., 19.12-586
Martian surface composition
  Miyamoto, S., 19.2-501
  Mueller, G., 19.6-605
  Pollack, J. B. et al., 19.10-687
Martian surface features
  Miyamoto, S., 19.2-501
  Davydov, V. D., 19.3-559
  Dragesco, J., 19.3-560
  Sagan, C. et al., 19.3-563
  Mottoni, G. de, 19.5-575
  New Scientist, London, Aug. 1967, 19.5-576
  Sagan, C. et al., 19.11-652
Martian surface photometry
  De Vaucouleurs, G., 19.7-670
Martian surface properties
  Stubbs, P., 19.10-688
Martian surface temperatures
  Ohring, G. et al., 19.12-602
Martian temperatures
  Epstein, E. E., 19.10-685
  Gierasch, P. et al., 19.10-686
  Ohring, G. et al., 19.12-602
Martian upper atmosphere
  McElroy, M. B., 19.5-572
Martian water transfer
  Miyamoto, S., 19.5-574
Maser action of interstellar hydrogen
  Storer, S. H. et al., 19.8-690
Maser radar
  Jones, D. M. A. et al., 19.6-108
Mass balance of glaciers
  Oestrem, G. et al., 19.2-306
Mass balance of ice shelves
  Budd, W. et al., 19.11-776
Mass budget of glaciers
  Bull, C. et al., 19.11-773
Mass budget of sea ice
  Nazintsev, Iu. L., 19.4-704
Mass spectrometry
  Von Zahn, U., 19.4-68
Massachusetts Institute of Technology, Cambridge
  M.I.T., Cambridge, 19.10-708
Massachusetts Institute of Technology research projects
  MIT, Cambridge, 19.8-39
Material drying
  Stockburger, D., 19.6-85
Mathematical forecasting
  Curtiss, J. H., 19.3-128
Mathematics textbooks
  Snedecor, G. W. et al., 19.8-4
Maximum flood discharges
  Leningrad. Gosudarstvennyi Gidrolog. Inst., 19.7-830
Maximum mean ambient temperature
  Bowes, P. C., 19.8-460
Maximum precipitation
  Trusov, I. I., 19.3-294
  Babichenko, V. N., 19.4-345
  Brunner-Hagger, W., 19.5-309
  Gensler, G., 19.5-311
Maximum precipitation data
  Reinhartova, J., 19.4-346
Maximum precipitation estimation
  Myers, V. A., 19.5-314
  Raman, P. K. et al., 19.6-401
Maximum rainfall
  Storr, D., 19.6-402
Maximum rainfall calculations
  Raman, P. K. et al., 19.6-401
  Panchang, G. M., 19.7-411
Maximum river discharge calculations
  Banerji, S. et al., 19.7-840
  Mokliak, V. I., 19.9-836
Maximum river discharges
  Zhelezniakov, G. V. et al., 19.3-702
  Panaiotov, T., 19.8-778
Maximum snow accumulation
  Sneyers, R., 19.5-326
Maximum temperature forecasting
  Srinivasan, T. R. et al., 19.4-265
Maximum temperature frequencies
  Strinivasan, T. R. et al., 19.4-265
Maximum temperatures
  Perry, A., 19.5-207
Maximum Usable Frequency calculation
  Kopka, H. et al., 19.5-412
Maximum wind forecasting
  Petrenko, N. V., 19.2-109
Maximum wind height determination
  Petrenko, N. V., 19.5-69
Maximum wind levels
  Joseph, P. V., 19.4-307
Maximum wind velocities
  Stanev, S., 19.1-262
Maximum wind velocity calculations
  Petrenko, N. V., 19.5-69
Mayer, Tobias
  Forbes, E. G., 19.5-34
Mean diurnal temperature frequencies
  Zinkiewicz, A., 19.9-393
Mean meridional circulation
  Guterman, I. G., 19.1-179
  Vernekar, A. D., 19.3-181
  Wiin-Nielsen, A. et al., 19.3-183
  Holopainen, E. O., 19.5-196
Mean monthly atmospheric temperatures
  Georgiev, Iu. S., 19.11-725
Mean monthly sea surface temperatures
  Miller, F. R. et al., 19.4-606
Mean monthly temperature anomalies
  Gedeonov, A. D., 19.1-229
  Fadeeva, I. P., 19.11-184
Mean monthly temperature forecasting
  Ped', D. A. et al., 19.2-114
  Fadeeva, I. P., 19.11-184
Mean monthly vapor pressures
  Kas'ian, N. A. et al., 19.4-309
Mean sea level calculations
  Stocchino, C. et al., 19.9-759
Mean value calculations
  Chardonnal, G., 19.7-107
Mean zonal circulation
  Guterman, I. G., 19.1-179
Mean zonal flow
  Keshava Murty, R. N., 19.5-197
Meandering jet streams
  Pfeffer, R. L., 19.12-176
Measurement errors
  Hunter, W. R., 19.8-318
Mechanical properties of ice
  Nevel, D. E., 19.2-583
Mechanics of the atmosphere
  Tarasenko, D. A., 19.5-185
Medical meteorology
  Ivanovici, H. et al., 19.11-95
Medium frequency radio wave propagation
  Aralov, D. P., 19.2-335
  Knight, P., 19.10-72
Medium range precipitation forecasting
  Koppany, G., 19.9-226
Mekong Delta
  Josephson, J., 19.10-719

Melting effects on convective heat transfer
  Yen, Y. C., 19.8-286
Mendenhall Glacier
  Higashi, A., 19.11-759
  Takahashi, T., 19.11-769
Mer de Glace Glacier
  Gluck, S., 19.5-714
Merchant marine ship observations
  Rockney, V. D., 19.7-158
Mercury's atmosphere
  Bergstralh, J. T. et al., 19.1-485
  Belton, M. J. S. et al., 19.5-562
Mercury's spectra
  Belton, M. J. S. et al., 19.5-562
Mercury's temperature
  Cary, B., 19.2-481
  Belton, M. J. S. et al., 19.5-562
Meridional circulation
  Ananthakrishnan, R. et al., 19.3-170
Meridional circulation variations
  Boehme, W., 19.1-178
  Gudiksen, P. H. et al., 19.12-199
  White, F. D., Jr. et al., 19.12-204
Meridional profiles
  Tarasenko, D. A., 19.5-185
Meridional wind profiles
  Faust, H. et al., 19.1-268
Mesoanalysis
  Pautz, M. E., 19.3-124
Mesoanalysis of occlusions
  Kreitzberg, C. W., 19.7-287
Mesoanalysis of satellite radiation data
  Murino, C. J., 19.10-125
Mesoclimate and atmospheric pollution
  Weedfall, R. O., 19.4-181
Mesoclimatology
  Yoshino, M. M., 19.1-55
  Roberts, J. A., 19.7-457
  Bjelanovic, M. M., 19.11-19
  Hess, M., 19.11-495
Mesometeorological education
  Saucier, W. J., 19.9-70
Mesometeorological networks
  Clodman, J. et al., 19.1-323
  U. S. Task Team on Sub-synoptic-Scale Meteorological Problems, 19.1-324
  Rein, F., 19.6-111
Mesometeorological studies
  U. S. Task Team on Sub-synoptic-Scale Meteorological Problems, 19.1-324
  Hay, D. R., 19.2-313
Mesopause
  Hesstvedt, E., 19.9-471
Mesoscale analysis
  Gerrish, H. P., 19.12-254
Mesoscale circulation analyses
  Feteris, P. J., 19.10-275
Mesoscale convergence
  Matsumoto, S. et al., 19.3-252
Mesoscale cyclones
  Das Gupta, D. N., 19.4-223
Mesoscale disturbances
  Matsumoto, S. et al., 19.3-252
  Zhukova, L. P. et al., 19.8-291
Mesoscale eddies
  Lob, W. H. et al., 19.5-74
Mesoscale motions
  Lyons, W. A. et al., 19.8-426
Mesoscale precipitating system
  Billa, H. S. et al., 19.7-282
Mesoscale temperature studies
  Landers, H., 19.12-247
Mesoscale warm core
  Matsumoto, S. et al., 19.3-185
Mesoscale waves
  Dirks, R. A. et al., 19.2-260
  Zhukova, L. P. et al., 19.8-290
Mesoscale wind field
  Kreitzberg, C. W., 19.3-244
Mesoscale wind fluctuations
  Harrold, T. W. et al., 19.9-440
Mesoscale wind structure
  Graham, I. R., 19.3-223
  Stengel, R. F., 19.11-402
Mesosphere structure
  Perov, S. P. et al., 19.11-277
Mesosphere temperature experiments
  Lenoir, W. B., 19.3-145
Mesospheric aerosol optical properties–noctilucent clouds relationships
  Witt, G., 19.8-479
Mesospheric aerosols–noctilucent cloud relationships
  Witt, G., 19.12-452
Mesospheric chemistry
  LeLevier, R. E. et al., 19.4-191
Mesospheric circulation–noctilucent cloud relationships
  Schroeder, W., 19.9-285
Mesospheric composition
  Nicolet, M., 19.8-257
  Khvostikov, I. A. et al., 19.9-276
Mesospheric density
  Lindblad, B. A., 19.8-221
  Perov, S. P. et al., 19.11-277
Mesospheric heating
  Gebhart, R., 19.7-300
  Shved, G. M., 19.7-304
  Kaplan, L. D., 19.8-341
Mesospheric investigations
  Newell, R. E., 19.4-193
Mesospheric meteorology
  Colloque Franco-Belge sur les Problemes..., March, 1965, 19.8-19
Mesospheric soundings
  Perov, S. P. et al., 19.8-258
Mesospheric–stratospheric relationships
  Heard, W. C., 19.8-251
Mesospheric temperature measurement techniques
  Ballard, H. N., 19.4-69
Mesospheric temperature variations
  Rahmatullah, M., 19.8-360
Mesospheric temperatures
  Kaplan, L. D., 19.8-341
  Nordberg, W. et al., 19.8-356
  Perov, S. P. et al., 19.11-277
  Theon, J. S. et al., 19.12-260
Mesospheric vertical currents
  Skuratova, I. S. et al., 19.10-207
Mesospheric wind measurement techniques
  Beaudoin, P. E. et al., 19.3-53
  Morris, J. E., 19.5-265
Mesospheric wind profiles
  Mahoney, J. R. et al., 19.6-346
Mesospheric wind variations
  Rahmatullah, M., 19.8-360
  Rahmatullah, M. et al., 19.8-394
Mesospheric winds
  Faust, H., 19.1-80; 19.5-264
  Morris, J. E., 19.5-265
  Nordberg, W. et al., 19.8-356
Metabolism
  McNall, P. E., 19.11-359
Metal fatigue
  Endo, K. et al., 19.4-47
Metal oxides on lunar surface
  Sienko, M. J. et al., 19.12-589
Metaldehyde smoke generator
  Fukuta, N., 19.2-127
Metallic emission lines
  Koyal', A. N., 19.12-654
Metamorphic rocks
  Virgo, D., 19.12-165
Meteor ablation
  Lebedinets, V. N. et al., 19.1-492
  Ceplecha, Z., 19.3-578
Meteor-asteroid collision
  Wetherill, G. W., 19.9-696
Meteor astronomy
  Vsesoiuznoe Astronomo–Geodezicheskoe Obshchestvo, 19.4-12
  Brown, P. L., 19.5-579
Meteor color indices
  Hajdukova, M., 19.4-581
Meteor–comet relationships
  Keay, C. S. L., 19.5-553

Meteor echoes
  Triskova, L., 19.6-579
  Hawkins, G. S. et al., 19.10-668
Meteor effects in upper atmosphere
  Gadsden, M., 19.7-503
Meteor effects on upper atmosphere emissions
  Shefov, N. N., 19.7-476
Meteor energies
  Fialko, E. I., 19.4-578
''Meteor'' Expedition, 1964-1965
  Hinzpeter, H., 19.1-201
  Dietrich, G. et al., 19.3-621
"Meteor" Expedition, 1965
  Dunckel, M., 19.1-68
  Quenzel, H., 19.1-214
  Hinzpeter, H., 19.1-569
  Rose, G. et al., 19.5-419
Meteor fragmentation
  Lebedinets, V. N. et al., 19.1-492
  Babadzhanov, P. B. et al., 19.4-575
  Wetherill, G. W., 19.9-696
  Jacchia, L. G., 19.11-25
Meteor influx rates
  Keay, C. S. L., 19.5-553
Meteor ionization
  Walker, J. C. G., 19.1-473
  Derbeneva, A. D., 19.4-577
Meteor luminosity
  Vsesoiuznoe Astronomo–Geodezicheskoe Obshchestvo, 19.4-12
  Babadzhanov, P. B. et al., 19.4-575
  Derbeneva, A. D., 19.4-577
  Robertson, J. B. et al., 19.9-694
Meteor mass
  McIntosh, B. A., 19.3-548
Meteor mass distribution
  Dohnanyi, J. S., 19.3-577
  Jones, J., 19.10-689
Meteor observation techniques
  Neale, M. J., 19.5-580
  Bel'kovich, O. I., 19.8-661
  Friichtenicht, J. F. et al., 19.8-663
Meteor observations
  De Jager, C., 19.7-674
  Astavin-Razumin, D. L., 19.11-653
  Liubarskii, K. A., 19.11-655
Meteor orbits
  Symposium on Meteor Orbits and Dust, Cambridge, Mass. Aug 9-13, 1965, 19.1-20
  Babadzhanov, P. B. et al., 19.4-575
  Lebedinets, V. N. et al., 19.11-629
Meteor penetration of satellites
  Jennison, R. C., 19.4-579
Meteor photographs
  Babadzhanov, P. B. et al., 19.4-575
  Posen, A. et al., 19.7-675
  Jaccia, L. G., 19.11-25
Meteor photography
  Degewij, J. et al., 19.9-691
  Robertson, J. B. et al., 19.9-694
Meteor photometry
  Robertson, J. B. et al., 19.9-694
Meteor radiant calculation
  Triskova, L., 19.9-695
Meteor rate
  Lazarev, R. G., 19.4-580
  Friichtenicht, J. F. et al., 19.8-663
Meteor research
  Brown, P. L., 19.5-579
  De Jager, C., 19.7-674
Meteor shower correlations with cosmic dust
  Grjebine, T. et al., 19.4-187
Meteor shower orbits
  Kazimirchak-Polonskaia, E. I. et al., 19.8-665
Meteor showers
  Triskova, L., 19.6-579
Meteor showers–rainfall relationships
  Brunner-Hagger, W., 19.5-309
Meteor spectra
  Hajdukova, M., 19.4-581
  Bronshten, V. A. et al., 19.6-604
  Degewij, J., 19.7-679
  Robertson, J. B. et al., 19.9-694
Meteor structure
  Babadzhanov, P. B., 19.3-576
Meteor studies
  Hawkins, G. S. et al., 19.10-668
Meteor symposia
  Symp. on Meteor Orbits and Dust, Cambridge, Mass., Aug. 1965, 19.1-20
Meteor textbooks
  Moss, A. A., 19.6-45
Meteor trail diffusion
  Walker, J. C. G., 19.1-473
Meteor trail–ionospheric drift relationships
  Kato, S. et al., 19.12-492
Meteor trail radius
  Bairachenko, I. V. et al., 19.2-487
Meteor trail wind observation
  Spizzichino, A., 19.11-419
Meteor trails
  Babadzhanov, P. B., 19.3-576
Meteor trajectories
  Posen, A. et al., 19.7-675
  Jacchia, L. G., 19.11-25
Meteor trajectory determination
  Posen, A. et al., 19.7-675
Meteor velocities
  Lazarev, R. G., 19.4-580
Meteor velocity distribution
  Porubcan, V., 19.3-574
  Robertson, J. B. et al., 19.9-694
Meteor velocity measurement techniques
  Porubcan, V., 19.3-574
  Simek, M., 19.3-575
Meteor wind observation techniques
  Mueller, H. G., 19.6-347
  Newell, R. E. et al., 19.9-133
  Mueller, H. G., 19.12-502
Meteoric dust
  Symposium on Meteor Obits and Dust, Cambridge, Mass. Aug. 9-13, 1965, 19.1-20
Meteoric dust effects on ionosphere
  Carrara, N. et al., 19.10-482
Meteoric dust in upper atmosphere
  Newkirk, G., Jr., 19.1-146
  Rosen, J. M. et al., 19.1-154
  McDonnell, J. A. M., 19.4-101
Meteoric dust measurement techniques
  Jennison, R. C., 19.4-579
Meteoric dust theory of noctilucent clouds
  Bronshten, V. A., 19.5-364
Meteoric matter in space
  Nazarova, T. N. et al., 19.8-664
  Divari, N. B., 19.10-692
Meteorite analyses
  Lopukhin, A. S., 19.11-661
Meteorite chemistry
  Fesenkov, V., 19.8-662
  Nagy, B., 19.9-693
Meteorite composition
  Ross, J. et al., 19.8-631
  Kirova, O. A. et al., 19.11-660
  Lopukhin, A. S., 19.11-661
  Tackett, S. L. et al., 19.11-667
Meteorite craters
  Sun, J. M. S., 19.8-652
Meteorite damage to forests
  Nekrasov, V. I. et al., 19.11-662
Meteorite effects on geomagnetism
  Zolotov, A. V., 19.2-453
Meteorite effects on trees
  Lerman, J. C. et al., 19.5-583
Meteorite exposure ages
  Fireman, E. L., 19.5-581

Meteorite falls
Zotkin, I. T., 19.6-606
Meteorite investigations
Honda, M., 19.11-654
Meteorite luminescence
Geake, J. E. et al., 19.4-582
Meteorite magnetism
Pochtarev, V. I., 19.2-498
Gus'kova, E. G. et al., 19.5-582
Meteorite orbits
Zotkin, I. T., 19.12-610
Meteorite particles
Farlow, N. H., 19.12-609
Meteorite polarimetry
Hayatsu, R., 19.11-659
Meteorite radiation
Bronshten, V. A. et al., 19.6-604
Meteorite radioactivity
Tobailem, J. et al., 19.5-584
Meteorite spectra
Ceplecha, Z., 19.3-578
Bronshten, V. A., 19.11-657
Meteorite structure
Tackett, S. L. et al., 19.11-667
Meteorites
Moss, A. A., 19.6-45
Meteoritic body explosions
Povrovskii, G. I., 19.11-663
Meteoritic dust in the atmosphere
Vasil'ev, V. A., 19.11-666
Meteoritic dust measurement techniques
Newkirk, G., Jr., 19.1-146
Shafrir, U., 19.8-634
Meteoritic impacts on Moon
Whipple, F. L., 19.1-494
Krall, A. M., 19.7-660
Bastin, J. A., 19.11-636
Meteoritic material in space
Whipple, F. L. et al., 19.1-493
Meteoritic origin
Mueller, G., 19.6-605
Meteoritic showers
Van Diggelen, J., 19.7-678
Meteoroid flux
Nilsson, C. S. et al., 19.10-691
Meteorological aircraft data analysis
Duchon, C. E., 19.12-77
Meteorological codes
Hoehn, R., 19.5-140
France. Met. Natl., 19.9-128
Meteorological conditions affecting pea harvest
Khomiakov, V. N., 19.4-38
Meteorological conferences
Race, H. M., 19.6-93
Verband Deutscher Met. Gesellsch., 19.9-21, 22
Golitsyn, G. S., 19.11-31
Natl. Conf. on Statistical Met., 1st, Hartford, Conn., May 27-29, 1968, 19.12-15
Meteorological congresses
Thomson, A., 19.6-47
Meteorological curricula
Bryson, R. A., 19.3-21
American Met. Society, 19.12-32
Meteorological data
Munich. Universitaet. Meteorologisches Institut, 19.1-73
Roustit, R., 19.7-124
Annuaire Hydrol. de Belgique, Brussels, 1960, 19.8-93
World Data Center A [for] Geomag., Seism., Gravity and Tsunami..., 19.9-52
Trotti, L., 19.9-734
South Africa. Weather Bureau, 19.10-104
Finland. Meteorologiska Centralanstalten, 19.11-129
Meteorological data analyses
Berlin, I. A., 19.4-85
Stevenson, N. M. et al., 19.10-84
Meteorological data comparison
Berlin, I. A., 19.4-85
Meteorological data management
Petersen, E. V., 19.3-73
Meteorological data processing
Katzin, M. et al., 19.6-140
Berlin, I. A. et al., 19.8-77
Vorob'ev, I. E. et al., 19.8-112
Zelikovskii, V. E., 19.11-128
Sapozhnikova, S. A., 19.12-62
Meteorological data summaries
Bauer, A. F., 19.2-77
List, R. J. et al., 19.6-112
Meteorological definitions
Hofmann, W. et al., 19.12-372
Meteorological education
Baum, W. A., 19.4-18
Witt, J. F., 19.5-28
Barad, M. L., 19.9-69
Long, W. H., 19.10-34
Meteorological education conferences
Parczewski, W., 19.7-36
Meteorological effects on cosmic ray variations
Fazzini, M. C. et al., 19.7-568
Meteorological effects on foot and mouth diseases,
Nature, London, 19.11-89
Meteorological effects on radio wave propagation
Nania, A. et al., 19.4-200
Peterson, C. F. et al., 19.6-232
Meteorological effects on radioactivity
Marquardt, W., 19.11-284
Meteorological equipment
Katzin, M. et al., 19.6-140
Meteorological expeditions
Yorath, J. V., 19.1-76
Meteorological forecast charts
Lonnqvist, O., 19.12-108
Meteorological influences on electrooptical distance measurement
Mitter, J., 19.4-380
Meteorological instrument construction
Manuilov, K. N., 19.8-110
Meteorological instrument industry
Scherago, E. J., 19.2-26
Meteorological instruments
U. S. Air Weather Service, 19.4-103
Fridzon, M. B. et al., 19.5-123
Tessman, N. F., 19.7-25
Bespalov, D. P. et al., 19.8-78
Meteorological kites
Hart, C., 19.5-4
Meteorological measurement techniques
Bespalov, D. P. et al., 19.8-78
Vsesoiuz. Nauch. Met. Sovesh., 1st, Leningrad, 1961, 19.9-24
Sadovnikov, A. V., 19.10-83
Meteorological models
Barry, R. G., 19.5-62
Meteorological networks
Taliaferro, W. J., 19.3-63
Cudny, W., 19.6-43
Rein, F., 19.6-111
Alpert, L., 19.9-64
Pogrebniak, P. S., 19.12-69
Meteorological observations
Kaczorowska, Z., 19.5-85
Netherlands. Met. Inst., 19.9-154
Spain. Serv. Met. Nac., 19.9-155
India, Met. Dept., 19.12-28
Meteorological Observing Station, Extremely Simple, *see* MOSES as acronym
Meteorological programs
U. S. Air Weather Service, 19.7-27
U. S. Off. of Fed. Coord. for Met. Serv. and Sup. Res., 19.9-63
Meteorological radars
Unthank, E. L., 19.7-116
Meteorological recording instruments
Gol'denberg, M. L. et al., 19.8-109
Meteorological research
U. S. Interdepartmental Committee for Atmospheric Sciences, 19.4-58
International Geophysical Year, 1957/1958, 19.5-16

Houghton, J. T., 19.6-51
U. S. ESSA, 19.8-42
Mosino Aleman, P. A., 19.9-67
Barad, M. L., 19.9-69
Canadian Geophy. Bull., Ottawa, 19.9-76
Giorgi, M., 19.11-64
Davitaia, F. F., 19.11-106
U. S. Interdepartmental Comm. for Atmospheric Sciences, 19.12-35
Desi, F., 19.12-36
Kondrat'ev, K. Ia., 19.12-58

Meteorological research development
Davitaia, F. F., 19.11-106

Meteorological research facilities
Horn, J. D. et al., 19.6-52

Meteorological research programs
France. Met. Nat., 19.9-66

Meteorological rocket networks
Bettle, J. F. et al., 19.10-95
World Data Center A /for/ Met., Asheville, N.C., 19.10-98

Meteorological rockets
Izakov, M. N. et al., 19.9-403
U. S. Natl. Aero. & Space Adm., 19.11-48

Meteorological satellite program
Sternberg, S., 19.9-657

Meteorological satellites
Nordberg, W., 19.9-652
Press, H. et al., 19.9-654

Meteorological seminars
Baur, F., 19.5-153

Meteorological service deficiencies
U. S. Off. of Fed. Coordinator for Met. Serv. & Supporting Research, 19.12-31

Meteorological service development
Bahama Is. Met. Office, 19.10-31

Meteorological service to shipping
World Meteorological Organization, 19.1-44

Meteorological services
Germany (Federal Republic). Deutscher Wetterdienst, 19.3-17
Taba,, H., 19.7-35
Buchinskii, I. E., 19.9-57
Johns, P., 19.9-60
Bahama Is. Met. Office, 19.10-31

Meteorological sounding vehicles
Dubois, E. et al., 19.7-135

Meteorological stations
Hawke, A. G., 19.5-80
Hanik, J., 19.11-122

Meteorological statistics
Reynolds, G., 19.10-80

Meteorological statistics textbooks
Panofsky, H. A. et al., 19.10-1

Meteorological symposia
Foitzik, L., 19.6-23
Symposium on Polar Met., Geneva, Sept. 5-9, 1966, 19.12-14

Meteorological targets
Sychra, J., 19.11-121

Meteorological towers
Cermak, J. E. et al., 19.8-106
Fichtl, G. H., 19.10-131
Kaufman, J. W. et al., 19.10-132

Meteorology
Szczecinski, C., 19.6-5

Meteorology bibliographies
Poland. Panstwowy Instytut Hydrologiczno- Meteorologiczny, 19.2-42
Akademiia Nauk SSSR. Mezhduvedomstvennyi Geofizicheskii Komitet, 19.3-32
Weatherwise, 19.5-35
Poland. Panstwowy Inst. Hydrol.-Met., 19.11-74
Nal'chik, U.S.S.R. Vysokogorni Geofizicheskii Institut, 19.12-11

Meteorology for mariners
Great Britain. Meteorol. Office, 19.1-57

Meteorology glossaries
Shaw, R. F., 19.7-47
Robinson, D. N., 19.9-78

Meteorology manuals
Tessman, N. F., 19.7-25

Meteorology publications
U. S. Weather Bureau, 19.6-33

Meteorology textbooks
Matveev, L. T., 19.9-1
Pruegel, H., 19.11-3

Meteorology yearbooks
Poland. Panstwowy Inst. Hydr.-Met., 19.6-35
Rumania, Inst. Met., 19.6-36

Meteoropathology
Donle, W., 19.6-78
Beran, V., 19.6-79
Ivanovici, H. et al., 19.11-95

Methane in lake water
Atkinson, L. P. et al., 19.6-664

Methane in sea water
Atkinson, L. P. et al., 19.6-664

Mica Dam
Syamala Rao, B. C. et al., 19.12-806

Mica radiation properties
Bradford, A. P. et al., 19.11-352

Microbarographs
Clay, C. S. et al., 19.7-145

Microbarometric waves
Down, W. L., 19.4-275

Microbiological reactions
Mats, L. I. et al., 19.3-43

Microclimate of slopes
Bodrogkoezy, Gy. et al., 19.11-492

Microclimate of U.S.S.R.
Gol'tsberg, I. A., 19.9-13

Microclimatic data
Fradel, M. A. et al., 19.11-130

Microclimatic effects on animal performance
Ulberg, L. C., 19.7-67

Microclimatic effects on animal physiology
Bond, T. E., 19.7-63

Microclimatic effects on evapotranspiration
Penman, H. L. et al., 19.7-374

Microclimatic effects on plants
Lowry, W. P., 19.7-465

Microclimatic effects on potential evaporation
Mueller, W., 19.8-410

Microclimatic effects on water supply
Blanc, M. L., 19.7-193

Microclimatic influences on agriculture
Yoshino, M. M., 19.1-55

Microclimatic influences on plants
Hosokawa, T., 19.11-493

Microclimatic temperature comparisons
Love, D. M., 19.9-537

Microclimatological instrumentation
Rutter, N., 19.11-494

Microclimatological instruments
Mushkin, I. G., 19.8-111

Microclimatological observations
Garnier, B. J., 19.12-420

Microclimatological research
Gol'tsberg, I. A., 19.12-438

Microclimatological studies
Garnier, B. J., 19.10-468

Microclimatology
Shitara, H., 19.1-35
Hofmann, G., 19.6-443

Microclimatology of seashores
Kuziemski, J. et al., 19.11-496

Microclimatology textbooks
Gol'tsberg, I. A., 19.9-13

Microfilm punched cards
Zelikovskii, V. E., 19.11-128

Micrometeorid analyses
Farlow, N. H., 19.12-609

Micrometeorite detection systems
  Auer, S. et al., 19.10-690
Micrometeorite measurements
  Nilsson, C. S. et al., 19.10-691
Micrometeorite observation
echniques
  Jennison, R. C., 19.4-579
  Yaniv, A. et al., 19.7-677
Micrometeorite origin
  Radzievskii, V. V., 19.11-664
Micrometeoroid impact studies
  Ferry, G. V. et al., 19.9-692
Micrometeorological instruments
  Pruitt, W. O. et al., 19.5-345
Micrometeorological networks
  Rein, F., 19.6-111
Micrometeorological profiles
  Swinbank, M. C. et al., 19.3-357
Micrometeorological recording
quipment
  Park, A. B., 19.9-195
Micrometeorological research
  Barry, P. J., 19.2-312
  Hay, D. R., 19.2-313
  King, K. M., 19.2-314
  Maybank, J., 19.2-315
  Summers, P. W., 19.2-316
  Hannell, F. G., 19.3-24
Micrometeorological stations
  Park, A. B., 19.9-195
Micrometeorological temperatures
  Aulitzky, H., 19.9-538
Micrometeorology
  Hofmann, G., 19.6-443
Micropulsations in the magneto-
phere
  Knaflich, H. B. et al., 19.8-586
  Troitskaia, V. A., 19.8-590
Microradar waves
  Dadali, Iu. A., 19.10-71
Microscopy
  McCrone, W. et al., 19.4-13
Microseism analysis
  Vinnik, L. P., 19.6-263
Microseism bibliographies
  Hjortenberg, E., 19.5-38
Microseism source determina-
ion
  Dolbilkina, N. A. et al., 19.3-661
Microseism structure
  Vinnik, L. P., 19.6-263
Microseismic storm tracking
  Latham, G. V. et al., 19.2-172
  Nag, S. K., 19.3-189
Microseismic waves
  Down, W. L., 19.4-275
Microseisms from ocean swell
  Dolbilkina, N. A. et al., 19.3-661
Microseisms from ocean waves
  Latham, G. et al., 19.2-172
Microseisms from storms
  Latham, G. V. et al., 19.2-172
  Nag, S. K., 19.3-189
Microtektites in sea sediments
  Glass, B., 19.4-583
Microthermohygrographs
  Lang, A., 19.7-140
Microwave blackbody radiation
  Roeder, R. C. et al., 19.7-301
Microwave detection of precipitation
  Singer, S. F. et al., 19.10-415
Microwave emission from atmosphere
  Hyatt, H. A., 19.7-307
Microwave emission from Earth's surface
  Hyatt, H. A., 19.7-307
Microwave radiometers
  Kennedy, J. M. et al., 19.6-142
  Kreiss, W. T., 19.11-6
Microwave range measurement errors
  Nestwater, E. R., 19.3-151
Microwave refractometers
  Bull, G., 19.7-87
Microwave techniques
  Krishna Menon, V. et al., 19.3-206
  Atlas, D. et al., 19.7-249
  Kreiss, W. T., 19.11-6
Microwave transition frequencies
  Lenoir, W. B., 19.3-145
Mid-oceanic ridge
  Fox, P. J., 19.4-26
Mid-tropospheric cyclone
  Miller, F. R. et al., 19.12-5
Mie theory
  Irvine, W. M., 19.1-288
  Shahrokhi, F. et al., 19.8-340
Migratory anticyclones
  Wiegman, E. J. et al., 19.7-385
Military meteorology
  Stroschein, L. A., 19.9-109
  MacDonald, G. J. F., 19.11-216
Military oceanography
  Bayly, D. C., 19.5-614
Milk production
  Hauptman, J., 19.7-64
Milky Way
  Gould, R. J., 19.6-566
Millet yield
  Ivanova-Zubkova, N. Z., 19.4-161
Millimeter radio wave propagation
  Hogg, D. C., 19.11-445
  Gautier, D., 19.11-560
Millimeter wave generation
  McIntosh, R. E., 19.12-46
Millimeter wavelength visual displays
  Jacobs, H. et al., 19.8-626
Mineral prospecting
  Delevaux, M. H. et al., 19.4-647
Minimum oxygen layer
  Bubnov, V. A., 19.7-738
Minimum river level forecasting
  Popov, E. G. et al., 19.3-116
Minimum river runoff
  Baranov, V. A. et al., 19.2-603
  Vladimirov, A. M., 19.2-605
  Kisin, I. M. et al., 19.11-804
Minimum stream flow calculations
  Lysenko, K. A., 19.4-763
Minimum temperature forecasting
  Grama, M., 19.11-185
  Glazova, O. P., 19.12-119
Minimum temperatures
  Cooley, J. R., 19.1-210
  Hurst, G. W., 19.2-225
  Smith, K., 19.6-309
  Maliutina, A. A., 19.11-364
Minitrack system
  Gooding, R. H., 19.5-110
Mirages
  Ives, R. L., 19.9-552
Mist frequencies
  Pelko, I., 19.4-326
Mixing depth
  Miller, M. E., 19.12-174
Mixing layer temperatures
  Shuliakovskii, L. G., 19.12-788
Mixing ratio
  Berkofsky, L., 19.3-260
  Pearson, A. D. et al., 19.12-310
Mobile weather stations
  Radiation, Inc. Radiation Systems Div., 19.7-130
Model atmospheres
  Schilling, G. F., 19.7-241
  Minzner, R. A., 19.7-263
Model estuary studies
  Higuchi, H. et al., 19.3-624
Model experiments
  Gille, J. C., 19.3-202
  Fahleson, U., 19.3-503
  Block, L. P., 19.3-523
  Danielsson, L. R. et al., 19.4-540
  Faller, A. J., 19.4-611
  More, R. J., 19.5-767
  Sudol'skii, A. S. et al., 19.6-342
  Armitt, J., 19.11-382
Model planetary atmosphere calculations
  Pitts, D. E., 19.9-681
Moisture balance
  Sosedov, I. S., 19.10-7

Moisture content determination
Agarwal, K. N., 19.6-84
Pullen, R. A., 19.9-472
Moisture content of air near mesopause
Hesstvedt, E., 19.9-471
Moisture content of atmosphere
Drozdov, O. A. et al., 19.1-274
Moisture content of grain
Strohman, R. D. et al., 19.8-398
Moisture content of materials
Agarwal, K. N., 19.6-84
Moisture content of trees
Van Wagner, C. E., 19.10-59
Moisture exchange
Grigor'eva, A. S., 19.1-275
Waggoner, P. E., 19.6-365
Moisture exchange on Earth's surface
Konstantinov, A. R. et al., 19.11-457
Moisture exchange on mountain slopes
Sosedov, I. S., 19.10-7
Moisture in sugar beets
Grigor'eva, L. K., 19.9-100
Moisture loss
Waggoner, P. E., 19.6-365
Moisture measurement techniques
Agarwal, K. N., 19.6-84
Molecular hydrogen in upper atmosphere
Barth, C. A., 19.12-222
Molecular physics of ice
Goulson, C. A. et al., 19.6-707
Momentum flux
Priestley, C. H. B., 19.3-179
Mitsuta, Y., 19.10-241
Momentum flux distribution
Garstang, M., 19.9-316
Momentum transfer
Priestley, C. H. B., 19.8-284
Kung, E. C., 19.10-239
Gukhman, A. A. et al., 19.11-294
Momentum transport
Yoshida, K., 19.3-158
Wiin-Nielsen, A. et al., 19.3-183
Yoshida, K., 19.4-220
Iida, M., 19.10-236
Mongolian Hydrometeorological Service
Tudvdendorzh, D., 19.3-18
Monin-Okukhov wind profiles
U. S. Atmos. Turb. and Dif. Lab., Oak Ridge, Tenn., 19.9-25
Monomolecular film technique
Pushkarev, V. F. et al., 19.1-283
Monsoon circulation
Riehl, H., 19.1-261
Miller, F. R. et al., 19.12-5
Monsoon climates
Kao, Y. H., 19.9-28
Monsoon cloud observations
Narayanan, V., 19.7-114
Monsoon depressions
Orgill, M. M., 19.1-299
Monsoon distribution–general circulation relationships
Kao, Y. H. et al., 19.8-11
Monsoon floods
Nedungadi, T. M. K., 19.7-343
Changraney, T. G., 19.7-842
Dhar, O. N. et al., 19.7-845
India. Met. Dept., 19.8-439
Monsoon precipitation forecasting
Moghe, D. N. et al., 19.8-177
Monsoon rainfall
Riehl, H., 19.1-261
Orgill, M. M., 19.1-299
Srinivasan, T. R. et al., 19.4-340
Nedungadi, T. M. K., 19.7-343
Mallik, A. K. et al., 19.7-408
Dhar, O. N. et al., 19.7-845
India. Met. Dept., 19.8-439
Monsoon rainfall analysis
Kato, T. et al., 19.7-362
Monsoon snowfall studies
Ninomiya, K. et al., 19.12-380
Monsoon surge formation
Beran, D. et al., 19.10-364
Monsoon theories
Kao, Y. H. et al., 19.8-11
Sankar Rao, M., 19.10-365
Monsoon type circulation
Dobryshman, E. M., 19.10-79
Monsoon winds
Ling, S. H., 19.5-248
Monsoons
Schroeder, M. J., 19.4-239
Kao, Y. H., 19.9-28
Monte Carlo method
Marchuk, G. I. et al., 19.2-323
Kattawar, G. W. et al., 19.12-453
Monthly circulation patterns
Stark, L. P., 19.1-74
Wagner, A. J., 19.2-76
Dickson, R. R., 19.3-64
Posey, J. W., 19.4-86
Andrews, J. F., 19.5-82
Wagner, A. J., 19.5-84
Green, R. A., 19.6-113
Wagner, A. J., 19.8-96
Stark, L. P., 19.9-156
Posey, J. W., 19.11-133
Monthly forecasting techniques
Pagava, S. T., 19.2-113
Monthly mean temperature anomalies
Murray, R., 19.9-397
Monthly mean temperature calculation
Maher, J. V., 19.7-95
Monthly mean temperature forecasting
Novskaia, A. I., 19.8-172
Monthly mean wind speed calculation
Lupton, G., 19.8-80
Monthly weather forecasts
Borisova, L. G. et al., 19.12-130
Monthly weather reports
Stark, L. P., 19.1-74
Wagner, A. J., 19.2-76
Dickson, R. R., 19.3-64
Posey, J. W., 19.4-86
Andrews, J. F., 19.5-82
Wagner, A. J., 19.5-84
Green, R. A., 19.6-113
Wagner, A. J., 19.8-96
Stark, L. P., 19.9-156
Posey, J. W., 19.11-133
Moon
King, H. C., 19.1-25
Kopal, Z., 19.3-4
Moon photography
Williams, J. R. et al., 19.11-634
Moon satellite orbits
Tolson, R. H. et al., 19.9-673
Moon's density variations
Mack, M. et al., 19.12-585
Moon's figure
Safronov, V. S., 19.6-589
Shapiro, A. et al., 19.11-635
Moon's oblateness
Safronov, V. S., 19.6-589
Moon's radius
Shapiro, A. et al., 19.11-635
Moon's surface
Hartmann, W. K., 19.12-586
Moored buoys
Banchero, L. A., 19.1-513
Fofonoff, N. P., 19.1-515
Gaul, R. D. et al., 19.1-518
Webster, F., 19.1-527
Ruff, R. E., 19.4-614
Morrow, B. W. et al., 19.7-723
Berteaux, H. O., 19.12-676
Fofonoff, N. P. et al., 19.12-677
Fofonoff, N. P., 19.12-721
Moored oceanic platforms
Scott, M. I. et al., 19.7-728
Moorland temperatures
Ingham, B., 19.9-386
Moraine deposits effects on glacier melting
Kamalov, B. A., 19.12-773
Moraines
Poole, E. G., 19.2-592
Morphology of reservoirs
Iaroslavtsev, N. A., 19.4-755
Moldovanov, A. I., 19.7-809

Morphology of rivers
Swart, J. S. et al., 19.3-700
Scheidegger, A. E., 19.4-752
Herbertson, J. G. et al., 19.10-781
Norgaard, R. B., 19.11-805
Ivanov, V. V. et al., 19.12-795
Mortality due to weather
Momiyama, M. et al., 19.2-59
Driscoll, D. M. et al., 19.8-66
Serban, Al. et al., 19.11-91
Bridger, C. A., 19.11-355
Moscow-Lugansk air route
Vasil'ev, A. A. et al., 19.11-82
MOSES, *see* MOSES as acronym
Mountain and valley winds
Perov, V. L. et al., 19.5-246
Urfer-Henneberger, C., 19.5-247
Mountain bioclimatology
Marr, J. W., 19.9-544
Mountain climates
Pedgley, D. E., 19.1-327
Coulter, J. D., 19.4-376
Hess, M., 19.5-349
Cobb, W. E., 19.9-566
Mountain climatic data
Marr, J. W., 19.9-544
Mountain climatology
Bordovskaia, L. I., 19.7-283
Fliri, F., 19.8-399
Mountain glaciation
Avsiuk, G. A. et al., 19.11-774
Mountain meteorology
Bordovskaia, L. I., 19.7-259
Mountain microclimatology
Soons, J. M., 19.12-376
Mountain observatories
Garcia, R., 19.1-42
Mountain rivers
Amus'ia, A. Z. et al., 19.4-751
Cecen, K., 19.5-773
Mountain runoff
Baiusheva, M. I., 19.11-803
Mountain snow cover
Shcheglova, O. P., 19.3-299
Khodakov, V. G., 19.5-324
Mountain snow pillow site determination
Farnes, P. E., 19.6-417
Mountain studies
Gellert, J. F., 19.3-669
Mountain temperatures
Zorina, V. P., 19.2-220
Otruba, J., 19.5-231
Roller, M., 19.5-350
Mountain wave effects on refractive index
Fukushima, M., 19.3-150
Mountain wave observation techniques
Lilly, D. K., 19.6-357
Mountain wave theories
Reynolds, R. D. et al., 19.9-469
Mountain waves
NCAR Quarterly, Boulder, Colo., Spring 1967, 19.1-272
Cruette, D., 19.5-273
Collis, R. T. H. et al., 19.7-358
Tyson, P. D., 19.9-447
Orville, H. D., 19.9-468
Reynolds, R. D. et al., 19.9-469
Mountain winds
Tokmakov, A. I., 19.2-242
Tyson, P. D., 19.9-447
Constantin, T. et al., 19.10-392
Mountaineering
Pedgley, D. E., 19.1-327
Mud flow
Vinogradov, Iu. B. et al., 19.6-424
Gol'din, B. M. et al., 19.6-766
Seinova, I. B. et al., 19.9-823
Gerasimov, V. A., 19.10-456
Multichannel time series analyses
Robinson, E. A., 19.3-7
Multipath radio wave propagation
Nesenbergs, M., 19.6-91
Internat. Radio Consultative Comm., 19.8-242
Fatum, G. A. et al., 19.11-104
Multiple lightning strokes
Wilkins, E. M. et al., 19.8-489
Multiple scattering
Bellman, R. et al., 19.6-303
Van de Hulst, H. C., 19.6-457
Sekera, Z., 19.9-378
Foitzik, L. et al., 19.12-451
Multiplex systems
Stutz, R. E., 19.8-615
Muon intensities
DeBeer, J. F. et al., 19.11-554
Muon intensity variations
Adcock, C. et al., 19.11-550
Muon showers
Barton, J. C., 19.11-552
Muong Nong tektites
O'Keefe, J. A. et al., 19.3-581
Mustard cultivation
Kaack, K. et al., 19.4-36
Mylar balloons
Mason, E. S., 19.11-141

N

NAFI automatic buoy station
Pyle, A. F., 19.4-95
NASA space science program
Newell, H. E., 19.1-4
Naugle, J. E., 19.1-39
U. S. Natl. Aeronautics and Space Administration, 19.2-27
Seamans, R. C., Jr., 19.4-600
NATO, *see* North Atlantic Treaty Organization
NCAR, *see* National Center for Atmospheric Research
NODC, *see* National Oceanographic Data Center
NOMAD automatic buoy station
Pyle, A. F., 19.4-96
NOMAD-1 (Navy Oceanographic Meteorological Automatic Device)
Huff, L. C., 19.4-612
NOMAD-II (Navy Oceanographic Meteorological Automatic Device)
Marcus, S. O., Jr., 19.3-625
Naleds
Artemov, A. V. et al., 19.5-743
National Aeronautics and Space Administration annual reports
U. S. National Aeronautics and Space Ad., 19.4-14
National Center for Atmospheric Research (NCAR), Boulder, Colo.
Natl. Ctr. for Atmos. Res., Boulder, Colo., 19.11-69
National Data Buoy Systems
Glass, C. J., 19.1-520
National Meteorological Center, Wash., D.C.
Shuman, F. G. et al., 19.12-113
National Oceanographic Data Center, Wash., D.C.
Molo, W. L. et al., 19.3-19
Weiss, M. et al., 19.6-53
National Severe Storms Laboratory, U. S.
Wilk, K. E. et al., 19.10-93
Natural aerosols
Bricard, J. et al., 19.12-326
Natural nuclei
Hitschfeld, W., 19.9-248
Natural radioactivity in atmosphere
Ittner, E., 19.1-114
Eisenbud, M., 19.8-275
Teneva, M. et al., 19.9-296
Natural radioactivity in soil
Feige, Y. et al., 19.9-295
Natural radioactivity measurement techniques
Ittner, E., 19.1-114
Natural radioactivity measurements
Reiter, R. et al., 19.2-142
Natural radioactivity variations
Marquardt, W., 19.11-284
Israelsson, S., 19.12-162
Natural synoptic periods
Polozov, V. V., 19.10-175
Baidal, M. Kh., 19.11-195

Lenova, G. V., 19.11-196
Natural synoptic processes
Aristov, N. A. et al., 19.12-129
Borisova, L. G. et al., 19.12-130
Natural synoptic seasons
Bradka, J., 19.9-323
Natural water chemistry
Morgan, J. J., 19.9-811
Natural water systems
Morgan, J. J., 19.9-811
Nautical almanacs
Juergensen, H., 19.7-28
Naval Avionics Facility Indianapolis, *see* **NAFI as acronym**
Naval Research Laboratory, U.S.
Sanderson, J. A., 19.10-552
Naval Undersea Warfare Center, San Diego, California
U. S. Naval Undersea Warfare Ctr., San Diego, Calif., 19.9-726
Naval underwater ranges
TRW Systems. Florida Operations, Cape Kennedy, Fla., 19.12-690
Navigation conditions
Regentovskii, V. S., 19.6-705
Navigation principles
Chernyshev, G. A., 19.9-84
Navigational aids
Spiess, F. N. et al., 19.4-626
Ehrlich, E., 19.9-90
Roese, D. W., 19.9-91
Navy Oceanographic Meteorological Automatic Device, *see* **NOMAD as acronym**
Nearshore currents
Saylor, J. H., 19.6-752
Nebular emission lines
Peimbert, M., 19.6-565
Nebular radio sources
McCarroll, R. et al., 19.12-573
Negative ions
Fehsenfeld, F. C. et al., 19.12-455
Neoprene balloons
Kerr, A. D., 19.5-96
Nephanalyses
Leonov, N. G. et al., 19.4-329
Bakhtin, M. G. et al., 19.5-106
Musaelian, Sh. A. et al., 19.5-118
Bunsch, Z., 19.6-163
Buschner, W., 19.6-280
Regula, H., 19.6-383
Bohan, W. A., Co., Park Ridge, Ill., 19.8-103
Aerojet-General Corp., El Monte, Calif. Space-General Div., 19.10-121
Net radiation distribution
Mani, A. et al., 19.4-244
Network densities
Barat, J. et al., 19.1-239
Neutral atmosphere
Van Zandt, T. E., 19.10-558
Neutral gas motions in the thermosphere
Dickinson, R. E. et al., 19.12-474
Neutral hydrogen in solar plasma
Swift, D. W., 19.8-593
Neutral molecules
Fehsenfeld, F. C. et al., 19.12-455
Neutrino detection
Ramm, C. A., 19.9-625
Neutrino experiments
Ramm, C. A., 19.9-625
Neutrino flux measurement techniques
Edelson, E., 19.8-564
Neutron monitors
Kane, R. P., 19.3-426
Baird, G. A. et al., 19.9-702
Kapustin, I. N., 19.11-555
Neutron production
Korff, S. A. et al., 19.11-556
Neutron soil moisture probes
Moerman, P. et al., 19.7-157
Damagnez, J., 19.8-134
Beskin, L. I., 19.9-189
Neve research
Bender, J. A., 19.12-394
Night airglow emission
Baker, D. J. et al., 19.1-406
Weill, G. M., 19.1-409
Roach, F. E. et al., 19.2-416
Gadsden, M., 19.4-186
Greer, R. G. H., et al., 19.4-473
Baker, D. J. et al., 19.9-619
Degen, V., 19.9-621
Night airglow excitation
Dueboin, M. L. et al., 19.5-441
Night airglow—geomagnetic relationships
Kondo, Y. et al., 19.4-474
Night airglow hydrogen emission
Shefov, N. N. et al., 19.10-584
Night airglow in tropics
Weill, G. M., 19.1-409
Night airglow infrared spectrum
Stair, A. T., Jr. et al., 19.2-418
Night airglow intensities
Carlson, H. C., Jr., 19.2-410
Greer, R. G. H. et al., 19.4-473
Peterson, V. L., 19.10-583
Weill, G. et al., 19.10-585
Night airglow intensity distribution
Nasyrov, G. A., 19.2-415, 416
Night airglow intensity variations
Gordon, M. A., 19.7-559
Smith, L. L. et al., 19.9-623
Night airglow - ionosphere relationships
Ogawa, T. et al., 19.1-382
Thomas, L., 19.2-382
Steiger, W. R., 19.2-419
Brown, W. E. et al., 19.4-472
Dueboin, M. L. et al., 19.5-441
King, J. W., 19.7-561
Peterson, V. L., 19.10-583
Night airglow layer heights
Nakamura, T., 19.3-415
Huruhata, M. et al., 19.8-547; 19.11-549
Night airglow measurement techniques
International Years of the Quiet Sun, 4th Assembly, London, July 1967, 19.10-581
Night airglow measurements
International Years of the Quiet Sun, 4th Assembly, London, July 1967, 19.10-581
Night airglow observations
Huruhata, M. et al., 19.11-549
Night airglow photometers
Blacker, H. V. et al., 19.6-516
Night airglow photometry
Greer, R. G. H. et al., 19.4-473
Gordon, M. A., 19.7-559
Roach, F. E., 19.8-548
Smith, L. L. et al., 19.8-549
Night airglow physics
Kofsky, I. L., 19.2-413
Night airglow spectra
Armstrong, E. B., 19.7-558
Night airglow temperatures
Hernandez, G. J. et al., 19.2-412
Night airglow theories
Peterson, V. L., 19.3-417
Night airglow ultraviolet bands
Reed, E. I., 19.8-266
Night sky emissions
Sandford, B. P., 19.2-417
Night sky hydroxyl emission
Shefov, N. N. et al., 19.10-584
Night sky infrared radiation
Pardy, D., 19.10-582
Night sky luminescence
Fishkova, L. M. et al., 19.8-248
Ivanov, K. G., 19.8-666
Night sky photography
Solomon, L. H., 19.3-209

Night sky radiation
  Ramm, C. A., 19.9-625
  Young, J. M. et al., 19.10-209
Night sky spectra variations
  Weill, G. et al., 19.7-563
Night visibility
  Silverman, S. M. et al., 19.4-31
Nightglow spectra
  Biondi, M. A. et al., 19.9-620
Nighttime F layer
  Stubbe, P., 19.6-503
Nighttime ionosphere
  Kimura, I., 19.11-540
Nimbus radiation measurements
  Raschke, E., 19.11-337
Nine day tides
  Maksimov, I. V. et al., 19.6-689
Nitrates in sea water
  Rozanov, A. G. et al., 19.7-740
  Kirkwood, L. F., 19.8-724
Nitric acid in stratosphere
  Murcray, D. G. et al., 19.12-154
Nitric oxide in ionosphere
  Horiuchi, G., 19.3-383
  Swider, W., Jr. et al., 19.8-533
Nitric oxide in upper atmosphere
  Ghosh, S. N., 19.5-166
Nitrites in sea water
  Rozanov, A. G. et al., 19.7-740
Nitrogen bands
  Broadfoot, A. L., 19.5-435
Nitrogen concentration in lakes
  Brezonik, P. L. et al., 19.7-785
Nitrogen dioxide in atmosphere
  Kawamura, K. et al., 19.2-132
Nitrogen fertilization effects
  Cummins, D. G. et al., 19.5-48
Nitrogen in auroras
  Broadfoot, A. L., 19.7-542
Nitrogen in sea water
  Miyake, Y. et al., 19.4-645
Nitrogen in upper atmosphere
  Ghosh, S. N., 19.5-166
Nitrogen sinks
  Brezonik, P. L. et al., 19.7-785
Nitrous oxide in the atmosphere
  Zenin, M. T. et al., 19.10-198
Noctilucent cloud composition
  Grishin, N. I., 19.11-516
Noctilucent cloud data
  Villmann, Ch. I., 19.8-475
  Volz, F., 19.8-477
Noctilucent cloud distribution
  Schroeder, W., 19.6-465; 19.9-285; 19.10-492
Noctilucent cloud formation
  Bronshten, V. A., 19.5-364
  Grishin, N. I., 19.5-366
  Novozhilov, N. I., 19.5-369
  Trubnikov, B. N., 19.5-370
  Schroeder, W., 19.6-463
  Hesstvedt, E., 19.8-471
Noctilucent cloud frequencies
  Schroeder, W., 19.4-388
  Mamontov, B. S., 19.5-368
Noctilucent cloud height calculation
  Frantsman, S. V. et al., 19.5-365
Noctilucent cloud movement
  Trubnikov, B. N., 19.5-370
  Ivanovskii, A. I., 19.9-559
  Zhukova, L. P. et al., 19.9-564
Noctilucent cloud networks
  Villmann, Ch. I., 19.9-562
Noctilucent cloud observation techniques
  Joseph, J. H. 19.1-338
Noctilucent cloud observations
  Villmann, Ch. I., 19.2-327
  Artemkin, E. E. et al., 19.5-362
  Mamontov, B. S., 19.5-368
  Turbal, Kh. Ia., 19.5-371
  Villmann, Ch. I., 19.5-372
  Dirikis, M. A. et al., 19.6-461
  Soberman, R. K. et al., 19.8-474
Noctilucent cloud particle analysis
  Khvostikov, I. A. et al., 19.9-276
Noctilucent cloud particle sampling
  Wilhelm, N. et al., 19.8-478
Noctilucent cloud particles
  McLone, R. R., 19.2-326
  Bronshten, V. A., 19.5-364
  Kravchenko, I. M. et al., 19.5-367
  Villmann, Ch. I., 19.5-373
  Hesstvedt, E., 19.8-471
  Soberman, R. K., 19.8-473
Noctilucent cloud photometry
  Villmann, Ch. I., 19.5-373
  Burov, M. I., 19.9-556
Noctilucent cloud research
  Grishin, N. I., 19.5-366
  Christie, A. D., 19.8-469
Noctilucent cloud spectrum
  Grishin, N. I., 19.11-516
Noctilucent cloud structure
  McLone, R. R., 19.2-326
  Grishin, N. I., 19.9-558
  Witt, G., 19.12-452
Noctilucent cloud–sunspots relationships
  Bezrukova, A. Ia., 19.5-363
Noctilucent cloud theories
  Kravehenko, I. M. et al., 19.5-367
  Novozhilov, N. I., 19.5-369
  Villmann, Ch. I., 19.5-373
  Hesstvedt, E., 19.8-471
Noctilucent cloud visibility
  Dietze, G., 19.10-491
Noctilucent cloud–zonal circulation relationships
  Bezrukova, A. Ia., 19.5-363
Noctilucent clouds
  Vsesouiznoe Atronomo-Geodezicheskoe Obshchestvo, 19.5-19
  Kohl, G., 19.6-462
  Schroeder, W., 19.6-464
  Internatl. Symp. on Noct. Clouds, Tallin, 1966, 19.7-21
  Shefov, N. N., 19.7-476
  Fesenkov, V. G., 19.8-470
  Shafrir, U. et al., 19.8-472
  Soberman, R. K., 19.8-473
  Trubnikov, B. N. et al., 19.8-475
  Wilhelm, N. et al., 19.8-478
  Witt, G., 19.8-479
  Fogle, B., 19.9-557
  Paton, J., 19.9-560
  Witt, G., 19.9-563
  Skuratova, I. S. et al., 19.10-207
Noctilucent clouds derived from satellite radiation measurements
  Zhvalev, V. F. et al., 19.5-121
Noctilucent clouds–ionosphere relationships
  Soberman, R. K., 19.8-473
Noctilucent clouds–meteors relationships
  Kilfoyle, B. P., 19.11-515
Nocturnal cooling
  Saito, T., 19.5-49
Nocturnal ionosphere
  Ogawa, T. et al., 19.1-382
  Potapova, N. I. et al., 19.1-384
Nocturnal ionospheric winds
  Murphy, C. H. et al., 19.1-269
Nocturnal minimum temperature forecasting
  Olsen, D. E., 19.10-171
Nocturnal temperatures
  Chandler, T. J., 19.2-224
Nocturnal thunderstorms
  Fedorova, A. A., 19.11-332
NODC, *see* National Oceanographic Data Center
Noise enhancements
  Bauer, S. J. et al., 19.12-543
Noise variance calculations
  Duchon, C. E., 19.12-77
NOMAD, *see* NOMAD as acronym
Nomograms
  Skobareva, Z. A., 19.2-207
  Smith, G. W., 19.12-821
Nomographs
  DiPippo, R. et al., 19.3-629
Nonducted propagation
  Smith, R. L. et al., 19.3-373

- Nonlinear balanced models
  - Baumhefner, D. P., 19.9-302
- Nonperiodic ionospheric winds
  - Maeda, H. et al., 19.7-521
- Nonperiodic perturbations
  - Alekseev, G. V. et al., 19.10-718
- Normal incidence light intensity measurements
  - Nilsson, P. O., 19.8-331
- North Atlantic Treaty Organization scientific activities
  - NATO. Div. of Scientific Affairs, 19.8-36
- Northerly cyclonic situations
  - Krska, K., 19.7-177
- Northern and Southern Hemisphere atmospheric circulation relationships
  - Flohn, H., 19.6-249
- Northern Hemisphere circulation
  - Guterman, I. G., 19.1-179
  - Holopainen, E. O., 19.5-196
  - Bradka, J., 19.9-323
  - Tauber, G. M., 19.11-321
  - Bayer, K., 19.12-265
- Northern Hemisphere pressure oscillations
  - Bayer, K., 19.12-265
- Northern Hemisphere temperature field
  - Gruza, G. V. et al., 19.3-211
- Northwest monsoon
  - Eifuku, Y. et al., 19.2-245
- Norwegian classical meteorological papers
  - Norway. Meteorologiske Institutt, 19.2-18
- Nuclear chemistry
  - Cordova, H. I. et al., 19.6-82
- Nuclear explosion effects
  - Japan. Natl. Inst. of Radiological Sciences, Chiba, 19.11-288
- Nuclear explosion effects on atmospheric radioactivity
  - Peirson, D. H. et al., 19.8-277
- Nuclear explosion effects on D layer perturbations
  - Nitzsche, P., 19.2-375
- Nuclear explosion effects on geomagnetism
  - Murphy, B. L. et al., 19.8-571
- Nuclear explosion effects on ionosphere
  - Nitzsche, P., 19.2-375
  - Kanellakos, D. P., 19.3-385
  - Whitten, R. C. et al., 19.3-402
  - Carpenter, G. B. et al., 19.4-545
  - Kozlov, S. I., 19.5-61
  - Baker, D. M. et al., 19.5-395
  - Albee, P. R. et al., 19.9-571
  - Kotadia, K. M. et al., 19.10-539
  - Buckmaster, H. A. et al., 19.11-99
  - Wickersham, A. F., Jr., 19.11-546
- Nuclear explosion effects on ocean surface
  - Collins, R. et al., 19.12-692
- Nuclear explosion effects on radio transmission
  - Nitzsche, P., 19.2-375
  - Buckmaster, H. A. et al., 19.11-99
- Nuclear explosion effects on radio wave propagation
  - Carpenter, G. B. et al., 19.4-545
  - Kozlov, S. I., 19.5-61
  - Booker, H. G. et al., 19.12-470
- Nuclear explosion effects on radioactive fallout
  - Gasparini, P. et al., 19.9-298
  - Montalto, M. et al., 19.9-299
  - Reiter, R., 19.9-300
  - Thein, M. et al., 19.9-301
  - Yoshikawa, K., 19.11-291
- Nuclear explosion waves
  - Perret, W. R., 19.10-602
- Nuclear generated infrasound
  - Meecham, W. C., 19.5-254
- Nuclear interactions
  - Dragnev, T. N. et al., 19.3-422
- Nuclear magnetometers
  - Hall, S. H., 19.5-460
- Nuclear tests, People's Republic of China
  - Japan. Natl. Inst. of Radiological Sciences, Chiba, 19.11-288
- Nucleation mechanisms
  - Berg, T. G. O. et al., 19.9-483
- Nucleation of supercooled water
  - Kuhns, I. E., 19.12-384
- Nucleation processes
  - Syono, S. et al., 19.3-275
  - Price, F. P. et al., 19.4-322
  - Walton, A. G. et al., 19.4-323
  - Syono, S. et al., 19.8-417
  - Schneider, G. R. et al., 19.10-772
  - Odencrantz, F. K., 19.11-433
- Nucleation temperature
  - Kuhns, I. E., 19.12-384
- Nucleation theories
  - Abraham, F. F., 19.2-270
- Nuclei sources
  - Warner, J. et al., 19.2-274
  - Ramana Murthy, Bh. V. et al., 19.6-378
- Nuclei studies
  - Davies, C. N., 19.5-17
- Numerical analysis
  - Maine, R. et al., 19.6-166
  - Fea, G. et al., 19.9-219
- Numerical cloud forecasting
  - Matveev, L. T., 19.1-118
- Numerical extended forecasting
  - Wagner, A. J., 19.1-126
- Numerical 500 mb forecasting
  - Mepistsveridze, E. I., 19.2-108
  - Morskoi, G. T. et al., 19.4-154
  - Mepistsveridze, E. I., 19.11-179
- Numerical 500 mb height analysis
  - Danard, M. B. et al., 19.8-372
- Numerical flood forecasting
  - Burakov, D. A., 19.12-133
- Numerical forecast verification
  - Lowry, D. A. et al., 19.6-165
- Numerical forecasting
  - Richardson, L. F., 19.2-8
  - Berkovich, L. V., 19.3-161
  - Phillips, N. A., 19.4-148
  - Marchuk, G. I., 19.5-6
  - Farcia, R. V., 19.6-50
  - Maine, R. et al., 19.6-166
  - Abuziarov, Z. K., 19.11-203
- Numerical forecasting conferences
  - McClain, E. P., 19.5-116
- Numerical forecasting equations
  - Brandejs, S., 19.4-147
- Numerical forecasting errors
  - Charney, J. G., 19.7-168
  - Davies, D. et al., 19.8-169
  - Mepistsveridze, E. I., 19.11-179
- Numerical forecasting evaluation
  - Wagner, A. J., 19.1-126
  - Il'in, B. M. et al., 19.9-220
  - Ellsaesser, H. W., 19.9-240
  - Doronin, Iu. P. et al., 19.10-159
  - Jacobs, R. E., 19.12-110
- Numerical forecasting in tropical regions
  - Vanderman, L. W. et al., 19.5-146
  - Carlstead, E. M., 19.8-167
- Numerical forecasting models
  - Chu, Yun T'i, 19.1-116
  - Maine, R. et al., 19.3-102
  - Petrichenko, I. A., 19.3-104
  - Asselin, R., 19.5-144
  - Vanderman, L. W. et al., 19.5-146
  - Lowry, D. A. et al., 19.6-165
  - Robert, A. J., 19.6-167
  - Ellsaesser, H. W., 19.7-169
  - Danard, M. B., 19.8-168
  - Il'in, B. M. et al., 19.9-220
  - Doronin, Iu. P. et al., 19.10-159
  - Nagurnyi, A. P., 19.10-162
  - Jacobs, R. E., 19.12-110
  - Sasaki, Y. et al., 19.12-112

  Shuman, F. G. et al., 19.12-113
Numerical forecasting over the ocean
  Wolff, P., 19.7-174
Numerical forecasting problems
  Charney, J. G., 19.7-168
Numerical forecasting progress
  Martin, D. E., 19.7-171
  Shuman, F. G., 19.7-173
  Shuman, F. G. et al., 19.12-113
Numerical forecasting research
  Lilly, D. K., 19.7-170
Numerical forecasting seminars
  Travelers Res. Ctr., Inc., Hartford, Conn., 19.7-13
Numerical forecasting techniques
  Marchuk, G. I., 19.1-117
  Hill, G. E., 19.3-101
  Burtsev, A. I. et al., 19.7-167
  Martin, D. E., 19.7-171
  Sadourny, R., 19.10-163
  Young, J. A., 19.10-164
  Palmieri, S., 19.10-479
  Besleaga, N. et al., 19.11-176
  Holopainen, E. O., 19.12-109
Numerical forecasting textbooks
  Belov, P. N., 19.11-1
Numerical forecasting tools
  Kolsky, H. G., 19.7-40
Numerical forecasting with primitive equations
  Wagner, A. J., 19.1-126
  Robert, A. J., 19.3-121
  Marchuk, G. I. et al., 19.5-145
Numerical geopotential field forecasting
  Brandejs, S., 19.4-147
  Il'in, B. M. et al., 19.9-220
  Doronin, Iu. P. et al., 19.10-159
Numerical hurricane movement forecasting
  Sanders, F. et al., 19.9-221
Numerical impulse conversion
  Gnilitskii, V. V., 19.11-162
Numerical integration
  Rockwell, D. C., 19.8-765
Numerical integration techniques
  Sadourny, R., 19.10-163
  Young, J. A., 19.10-164
Numerical long range forecasting
  Blinova, E. N., 19.1-125
  Morskoi, G. T. et al., 19.4-154
Numerical long range forecasting techniques
  Robert, A. J., 19.3-121
  Smagorinsky, J. et al., 19.3-122
Numerical methods
  Martin, F. L. et al., 19.12-244
Numerical models including topographic effect
  Chu, Yun T'i, 19.1-116
Numerical 1000 mb forecasting
  Lowry, D. A. et al., 19.6-165
  Davies, D. et al., 19.8-169
Numerical precipitation forecasting
  Petrichenko, I. A., 19.3-104
  Bagrov, A. N., 19.6-164
Numerical pressure field forecasting
  Nagurnyi, A. P., 19.10-162
Numerical rainfall forecasting
  Maine, R. et al., 19.3-102
Numerical sea surface temperature analysis
  Danard, M. B. et al., 19.8-372
Numerical severe local storm forecasting
  Sasaki, Y. et al., 19.12-112
Numerical short range forecasting
  Marchuk, G. I. et al., 19.5-145
  Iudin, M. I., 19.10-160
Numerical temperature forecasting
  Doronin, Iu. P. et al., 19.10-159
Numerical upper air temperature forecasting
  Carlstead, E. M., 19.8-167
Numerical upper air wind forecasting
  Carlstead, E. M., 19.8-167
Numerical vertical motion forecasting
  Petrichenko, I. A., 19.3-103
  Brandejs, S., 19.4-147
Numerical weather forecasting
  Wolff, P., 19.7-174
  White, R. M., 19.7-176
  Press, H. et al., 19.9-654
Numerical wind forecasting
  Vanderman, L. W. et al., 19.5-146
Nutational effects on atmospheric processes
  Maksimov, I. V. et al., 19.4-226; 19.11-324
Nutrient salt distribution
  Rotschi, H., 19.9-770
Nutrients in sea water
  Okubo, A., 19.4-656

O

ODESSA, *see* Ocean Data Environmental Science Services Acquisition System
OGO, *see* Orbiting Geophysical Observatory
OH, *see* Hydroxyl
OMEGA Navigational System
  O'Bryant, R. et al., 19.10-96
OSO, *see* Orbiting Solar Observatory
"Ob" expeditions, 1965-66
  Koptev, A. P., 19.2-79
  Belov, V. F. et al., 19.2-146
  Botnikov, V. N., 19.2-524
Obituary of Oppenheimer, Robert
  Serber, R. et al., 19.4-25
Objective analysis
  Molosnova, T. I., 19.2-182
  Creswick, W. S., 19.2-184
  Petersen, D. P., 19.8-7
  Endlich, R. M. et al., 19.10-267
  Kruger, H. B. et al., 19.11-178
  Holopainen, E. O., 19.12-109
Objective forecasting
  Borodina, A. V., 19.4-146
Objective forecasting methods
  Glahn, H. R. et al., 19.3-100
Objective forecasting techniques
  De, U. S., 19.6-175
  Shukla, J., 19.6-177
Objective precipitation forecasting
  Moghe, D. N. et al., 19.8-177
  Klein, W. H., 19.12-122
Objective temperature forecasting
  Olsen, D. E., 19.10-171
  Yacowar, N., 19.12-121
Oblique echoes
  McAfee, J. R., 19.10-543
Observation forms
  France. Met. Nat., 19.9-128
Observation techniques
  Minnis, C. M. 19.8-18
  Suomi, V. E., 19.8-81
  U. S. Weather Bur., 19.11-5
Observational data
  Observatories' Yearbook, 1964, 19.10-25
Observational errors
  Ness, N. F., 19.11-563
Observers manuals
  U. S. Air Weather Service, 19.7-27
Occluded cyclones
  Hlachova, P., 19.6-265
  Kreitzberg, C. W., 19.7-287
Occlusion structure
  Kreitzberg, C. W., 19.7-287
Occlusions
  Vitek, V., 19.6-257
Occultation experiments
  Kliore, A. J., 19.11-651
Occultation of radio sources by Moon
  Taylor, J. H., 19.4-571
Ocean-atmosphere exchange
  Bruevich, S. V. et al., 19.7-749
  Deardorff, J. W., 19.8-279
Ocean–atmosphere interaction
  Bjerknes, J., 19.3-164

  Crepon, M., 19.4-652
  Kraus, E. B., 19.4-680
  Mollo-Christensen, E., 19.4-681
  Zilitinkevich, S. S., 19.4-682
  Darchen, J., 19.5-674
  Kitaigorodskii, S. A., 19.5-682
  Pond, S., 19.8-739
  Charnock, H., 19.10-749
  Thompson, N., 19.10-750
  Shuleikin, V. V., 19.11-510
  Monin, A. S., 19.11-736
  Symposium on the Great Lakes as Models for Sea-Air interaction studies, Univ. of Mich., Oct. 1967, 19.12-21
Ocean–atmosphere investigations
  Mollo-Christensen, E., 19.4-681
  Bortkovskii, R. S. et al., 19.12-733
Ocean–atmosphere relationships
  Scherhag, R., 19.3-168
  Gostan, J., 19.3-654
  Weyl, P. K., 19.11-491
Ocean bottom conditions
  Villegas, L. et al., 19.11-98
Ocean bottom studies
  U. S. Navy Symp. on Mil. Oceanog., Wash., D.C., 1967, 19.9-110
Ocean chemistry
  Bada, J. L. et al., 19.10-728
Ocean current analysis
  Cheredilov, B. F., 19.11-415
Ocean current calculations
  Mikhailova, E. N. et al., 19.4-662
  Ovsiannikova, O. A., 19.4-664
  Shuleikin, V. V., 19.5-676
  Luk'ianov, V. A., 19.9-454
  Shteinbakh, B. V., 19.9-457
  Skriptunov, N. A., 19.9-795
  Sauskan, E. M., 19.11-733
Ocean current data
  Collins, C. A. et al., 19.4-602
  Webster, F. et al., 19.7-742
Ocean current data analysis
  Zykov, I. D. et al., 19.4-670
Ocean current dynamics
  Sarkisian, A. S., 19.1-556
  Mamaev, O. I., 19.2-566
  Robinson, A. R. et al., 19.5-675
  Liapin, A. N., 19.6-646
  Kruzhkova, T. S., 19.8-728
  Katkov, V. L., 19.9-785
  Fomin, L. M., 19.12-710
  Welander, P., 19.12-726
Ocean current eddies
  Warren, B. A., 19.4-668
Ocean current effects
  Garner, D. M., 19.1-567
  Rochford, D. J., 19.6-666
Ocean current forecasting
  Glagoleva, M. G. et al., 19.9-229
Ocean current generation theories
  Bretschneider, C. L., 19.9-453
Ocean current indicators
  Ruddiman, W. F., 19.12-725
Ocean current investigations
  Keenan, C. J. et al., 19.3-650
  Drennan, K. L., 19.4-676
  Stevenson, M. R. et al., 19.9-742
  Reed, R. K., 19.11-732
  Mikhailov, Iu. D. et al., 19.12-263
  Ruddiman, W. F., 19.12-725
Ocean current measurement techniques
  Banchero, L. A., 19.1-513
  ESSO Production Research Center, 19.4-616
  Fofonoff, N. P. et al., 19.12-677
  Fofonoff, N. P., 19.12-721
Ocean current measurements
  Ryzhkov, Iu. G. et al., 19.2-532
  Ichiye, T., 19.2-561
Ocean current meters
  Hodges, G. F., 19.1-533
  Karwowski, J., 19.1-534
  Oceanology Internatl., Beverly Shores, Indiana, 19.11-706
Ocean current observation techniques
  Fofonoff, N. P., 19.1-515
  Webster, F., 19.1-527
Ocean current recorders
  Hodges, G. F., 19.1-533; 19.9-752
  Nan'niti, T. et al., 19.9-753
  Oceanology Internatl., Beverly Shores, Indiana, 19.11-706
Ocean current research
  Taft, B. A., 19.4-665
Ocean current salinities
  Chaplygin, E. I., 19.11-731
Ocean current structure, northern Barents Sea
  Novitskii, V. P., 19.8-729
Ocean current studies
  Boeyum, G., 19.7-744
  Cano, M. et al., 19.9-779
  Arsen'ev, V. S., 19.11-21
  Malmberg, S. A. et al., 19.11-695
Ocean current surveys
  Taft, B. A. et al., 19.5-14
  Maloney, W. E., 19.6-18
  U. S. Naval Oceanog. Off., 19.8-730
  Reid, J., Jr. et al., 19.9-781
  Kharchenko, A. M., 19.12-713
Ocean current systems
  Mugica, R., 19.10-746
Ocean current temperatures
  Konaga, S. et al., 19.10-745
  Wilkerson, J. C., 19.10-747
  Chaplygin, E. I., 19.11-731
  Konaga, S. et al., 19.12-722
Ocean current theories
  Mikhailova, E. N. et al., 19.3-651
  Katkov, V. L., 19.9-785
  Thompson, N., 19.10-750
Ocean current transport
  Harrison, W. et al., 19.9-780
  Fedorova, Z. P., 19.12-709
Ocean current variations
  Zykov, I. D. et al., 19.4-670
  Sauskan, E. M., 19.11-733
Ocean current velocities
  Fedorov, K. N., 19.1-562
Ocean current velocity calcula
tions
  Fedorov, K. N., 19.1-562
  Sarkisian, A. S. et al.
  19.4-666
  Mikhailova, E. N. et al
  19.4-701
Ocean current velocity spec
trum–pressure spectrum rel
tionships
  Fomin, L. M., 19.12-710
Ocean currents
  Wyrtki, K., 19.1-561
  Clemons, E., 19.2-24
  Murty, A. V. S., 19.4-663
  U. S. Naval Oceanog. Off
  19.6-679
  Visser, G. A. et al., 19.9-77
Ocean currents derived fro
satellite radiation measuremen
  Zhvalev, V. F. et al., 19.5-1
Ocean Data Environmental S
ence Services Acquisition Sy
tem (ODESSA)
  Goodheart, A. J., 19.9-745
Ocean floor magnetism
  Demenitskaia, R. M. et
  19.5-465
Ocean floor photography
  Briggs, R. O., 19.9-748
Ocean swell
  Jessen, O., 19.7-741
Ocean swell forecasting
  Glagoleva, M. G. et
  19.11-192
Ocean temperature anomalies
  Mazeika, P. A., 19.1-568
  Maeda, S., 19.12-730
Ocean temperature calculati
  Zhukov, L. A., 19.6-684
Ocean temperature charts
  Selfridge, S. W. et
  19.10-725
Ocean temperature data
  Collins, C. A. et al., 19.4-

Gilbert, W. et al., 19.8-705
Wyatt, B. et al., 19.8-706
Selfridge, S. W. et al., 19.10-725
Vladimirov, O. A. et al., 19.11-734
Ocean temperature distribution
Fisher, A., Jr., 19.1-566
Garner, D. M., 19.1-567
Mazeika, P. A., 19.1-568
Smith, E. L., 19.3-652
Ocean temperature effects on marine life
Milinskii, G. I., 19.7-76
Ocean temperature fluctuations
White, R. A., 19.4-658
Ocean temperature forecasting
Smith, E. L., 19.3-652
Glagoleva, M. G. et al., 19.9-229
Laevastu, T. et al., 19.11-198
Skriptunova, L. I., 19.11-201
Ocean temperature inversions
Ichiye, T., 19.2-561
Nagata, Y., 19.5-670
Ocean temperature measurement techniques
Bachero, L. A., 19.1-513
Ruff, R. E., 19.4-614
Kolesnikov, A. G. et al., 19.6-652
Ocean temperature profiles
Nagata, Y., 19.5-670
Roden, G. I., 19.6-672
Selfridge, S. W. et al., 19.10-725
Piip, A. T., 19.12-689
Ocean temperature regime
Fisher, A., Jr., 19.1-566
LaViolette, P. E. et al., 19.10-721, 722
Ocean temperature–salinity analysis
Reid, J., Jr. et al., 19.9-781
Ocean temperature soundings
Rozdzynski, K., 19.5-640
Ocean temperature structure
LaFond, E. C. et al., 19.1-558
Saur, J. F. T. et al., 19.3-647
White, R. A., 19.4-658
Stommel, H. et al., 19.5-669
Ocean temperature studies
Dmitriev, A. A., 19.4-673
Ocean temperature variations
Bumpus, D. F., 19.5-680
Zhukov, L. A., 19.6-684
Kryndin, A. N., 19.8-736
Sorkina, A. I. et al., 19.11-319
Landis, R. C. et al., 19.12-208
Breaker, L. C. et al., 19.12-731
Ocean temperatures
Woods, J. D., 19.10-727
Ocean thermocline
Perry, J. D., 19.8-738
Ocean tide tables
Lazanoff, S. M., 19.12-748
Ocean tides
Nowroozi, A. A. et al., 19.8-717
Pnueli, A. et al., 19.12-744, 745
Lazanoff, S. M., 19.12-748
Ocean trenches
Ivanov, M. M., 19.6-528
Oxburgh, E. R. et al., 19.12-736
Ocean undercurrent measurements
Taft, B. A., 19.9-783
Ocean undercurrents
Yoshida, K., 19.1-557
Ocean water dating
Miyake, Y. et al., 19.1-542
Ocean water diversion
Flaherty, D. C., 19.12-682
Ocean water mass effects on climate
Worthington, L. V., 19.11-730
Ocean water mass formation
Worthington, L. V., 19.11-730
Ocean water mass transformation
Bubnov, V. A., 19.4-655
Ocean water masses
Wyrtki, K., 19.1-561
Albers, H. W., 19.5-672
Stepanov, V. N., 19.6-673
Boltovskoy, E., 19.6-675
Visser, G. A. et al., 19.6-677
Leonov, A. K., 19.7-746
Visser, G. A. et al., 19.9-777
Arsen'ev, V. S., 19.11-21
Ocean wave analysis
Gates, W. L., 19.3-659
Koniaev, K. V., 19.4-688
Larras, J., 19.5-694
Draper, L., 19.10-761
Davidan, I. N., 19.11-738
Ocean wave computation
Zorina, V. A., 19.9-459
Gienapp, H., 19.10-762
Ocean wave data
Draper, L., 19.10-711
Ocean wave data analysis
Piest, J., 19.4-691
Draper, L., 19.10-711
Ocean wave decay
Bretschneider, C. L., 19.10-375
Ocean wave diffraction
Mobarek, I. E. et al., 19.10-758
Ocean wave direction
Kraus, E. B., 19.10-755
Ocean wave effects on atmospheric waves
Golitsyn, G. S. et al., 19.4-212
Ocean wave effects on ships
Coles, K. A., 19.12-6
Ocean wave energy spectra
Matushevskii, G. V. et al., 19.4-689
Mobarek, I. E. et al., 19.10-758
Ocean wave forecasting
Bretschneider, C. L., 19.4-692; 19.6-267, 686
U. S. Naval Oceanog. Off., 19.6-687
Zorina, V. A., 19.9-459
Darbyshire, J. et al., 19.10-763
Ocean wave gages
Fujita, K. et al., 19.10-757
Ocean wave generation
Titov, L. F. et al., 19.6-343
Bretschneider, C. L., 19.6-686
Ocean wave height
Titov, L. F. et al., 19.6-343
Draper, L., 19.10-761
Ocean wave height calculations
Fujita, K. et al., 19.10-757
Ocean wave height forecasting
Sirotov, K. M., 19.11-417
Ocean wave height measurement techniques
Badgett, H. H., 19.9-754
Ocean wave hindcasting
Bretschneider, C. L., 19.4-692
Ijima, T. et al., 19.10-380
Ocean wave instrumentation
Russell, T. L. et al., 19.5-635
Ocean wave instruments
Ross, D. B., 19.3-631
Hedges, C. P., 19.9-755
Ross, D. B., 19.9-758
Althouse, J., 19.11-707
Ocean wave measurement techniques
ESSO Production Research Center, 19.4-616
Koniaev, K. V., 19.4-688
Dreier, A. A. et al., 19.5-634
Hedges, C. P., 19.9-755
Metzler, A. R. et al., 19.9-756
Ross, D. B., 19.9-758
Ford, J. R. et al., 19.9-791
Ocean wave measurements
Gienapp, H., 19.10-762
Ocean wave mechanics
Bryant, P. J., 19.10-376
Kraus, E. B., 19.10-755
Ocean wave meters
Gaul, R. D. et al., 19.1-518
Ocean wave motion near shore
Bowen, A. J. et al., 19.8-741
Ocean wave observation techniques
Ford, J. R., 19.1-516
Gaul, R. D. et al., 19.1-518
Higuchi, H. et al., 19.10-714
Ocean wave propagation
Cartwright, D. E., 19.12-683

Ocean wave record analysis
  Fujita, K. et al., 19.10-757
Ocean wave recorders
  Bondarenko, A. L. et al., 19.2-537
  Volkov, Iu. A. et al., 19.4-621
  Montgomery, W. S., 19.9-757
Ocean wave research
  Meyer, R. E., 19.5-693
Ocean wave set-up
  Bowen, A. J. et al., 19.8-741
Ocean wave spectra
  Gaul, R. D. et al., 19.1-518
  Inoue, T., 19.1-571
  Volkov, Iu. A. et al., 19.4-621
  Koniaev, K. V., 19.4-688
  Pierson, W. J., Jr., 19.4-690
  Piest, J., 19.4-691
  Larras, J., 19.5-694
Ocean wave spectra calculation
  Matushevskii, G. V. et al., 19.4-689
  Ford, J. R. et al., 19.9-791
  Fujita, K. et al., 19.10-757
  Darbyshire, J. et al., 19.10-763
Ocean wave spectra hindcasting
  U. S. Naval Oceanog. Off., 19.6-687
Ocean wave theories
  Pierson, W. J., Jr., 19.4-690
  Shuleikin, V. V., 19.12-712
Ocean waves
  Clemons, E., 19.2-24
  Zubkov, A. E., 19.2-569
  Duvanin, A. I., 19.11-22
  Buchwald, V. T. et al., 19.12-741
Ocean Weather Station "P"
  Canada. Oceanog. Data Ctr., Ottawa, 19.2-516; 19.4-603
Ocean weather stations
  Canada. Oceanog. Data Ctr., Ottawa, 19.7-131
Oceanic circulation
  Wyrtki, K., 19.1-561
  Gordon, A. L., 19.5-655
  Bumpus, D. F., 19.5-680
Oceanic circulation analysis
  Bryan, K. et al., 19.5-656
  Privalova, I. V., 19.11-723
Oceanic circulation calculations
  Eremeeva, G. V., 19.4-649
  Shkudova, G. Ia., 19.4-672
Oceanic circulation dynamics
  Gougenheim, A., 19.1-554
  Kawai, H., 19.3-644
  Eremeeva, G. V., 19.4-649
  Bye, J. A. T., 19.4-651
  Pedlosky, J., 19.5-260
  Bryan, K. et sl., 19.5-656
  Hamburg. Univ. Inst. fuer Meereskunde, 19.5-657
  Takano, K., 19.5-661
  Marchuk, G. I., 19.7-743
  Stommel, H. et al., 19.12-714
Oceanic circulation models
  Arons, A. B. et al., 19.1-553
  Yoshida, K., 19.1-557
  Schulman, E. E., 19.5-659
  Stommel, H. et al., 19.12-714
Oceanic circulation studies
  Reid, J. L., 19.4-650
  Faller, A. J., 19.4-611
  Fofonoff, N. P., 19.4-653
  Asaoka, O. et al., 19.6-668
  Lee, A. J., 19.7-711
  Makerov, Iu. V., 19.11-722
Oceanic circulation theories
  Gougenheim, A., 19.1-554
  Shtokman, V. B., 19.5-660
  Veronis, G., 19.5-662
  Burstyn, H. L., 19.6-253
Oceanic circulation variations
  Fofonoff, N. P., 19.4-653
  Soskin, I. M., 19.11-320
  Tappan, H., 19.11-486
Oceanic convection
  Okubo, A., 19.4-656
Oceanic convection–sea ice relationships
  Bulgakov, N. P., 19.2-577
Oceanic convergence
  Duncan, C. P., 19.6-669
Oceanic cruise data
  U. S. Naval Oceanographic Office, 19.8-730
Oceanic crust
  Wilson, J. T., 19.12-767
Oceanic currents
  Leonov, A. K., 19.7-746
Oceanic diffusion
  Okubo, A., 19.2-557
  Woods, J., 19.12-716
Oceanic eddies
  Duncan, C. P., 19.6-669
Oceanic effects on temperature
  Khanevskaia, I. V., 19.1-225
  Morasca, N., 19.10-301
Oceanic fronts
  Abramov, R. V., 19.1-255
  Shpaikher, A. O. et al., 19.1-559
  Bulgakov, N. P., 19.5-667
  Tarbeev, Iu. V. et al., 19.9-442
Oceanic geochemistry
  Vinogradov, A. P., 19.6-19
Oceanic geomagnetic field
  Ivanov, M. M., 19.6-528
Oceanic heat budget
  Turner, J. S. et al., 19.5-671
Oceanic heat distribution
  Muromtsev, A. M., 19.12-696
Oceanic influences on climate
  Shuleikin, V. V., 19.11-510
Oceanic mixing
  Arons, A. B. et al., 19.1-553
  Keenen, C. J. et al., 19.3-650
  Beliaev, V. I. et al., 19.4-640
  Keeling, C. D. et al., 19.6-658
  Gruzinov, V. M., 19.11-416
Oceanic model experiments
  Ibbetson, A. et al., 19.5-692
Oceanic polar front
  Bourkland, M. T., 19.12-667
Oceanic ridges
  Demenitskaia, R. M. et al., 19.5-465
  Russell, K. L., 19.12-686
Oceanic sedimentation rate
  Schindler, P. W., 19.9-773
Oceanic sediments
  U. S. Naval Oceanographic Office, 19.8-730
  Liakhin, Iu. I., 19.12-699
Oceanic stability parameters
  Khlopov, V. V., 19.11-729
Oceanic stratification
  Cooper, L. H. N., 19.4-657
  Kitaigorodskii, S. A. et al., 19.5-664
  Stepanov, V. N., 19.6-673
Oceanic stratus clouds
  Lyons, W. A. et al., 19.8-426
Oceanic structure
  Makerov, Iu. V., 19.11-722
Oceanic structure formation
  Vinogradov, A. P., 19.6-19
Oceanic structures
  Stepanov, V. N., 19.2-559 19.6-673
  Krause, G. et al., 19.6-674
Oceanic telluric current measurement techniques
  Lopatnikov, V. I. et al. 19.4-620
Oceanic thermal structure analyses
  Thompson, B. J., 19.12-697
Oceanic thermocline
  White, R. A., 19.4-658
Oceanic turbulence
  Ozmidov, R. V., 19.5-665
  Woods, J., 19.12-716
Oceanic turbulence meters
  Kolesnikov, A. G. et al 19.5-630; 19.6-652
Oceanic turbulent exchange
  Ozmidov, R. V., 19.5-665
Oceanic vertical diffusion
  Woods, J. D., 19.10-727
Oceanic vertical motions
  Belevich, R. R., 19.11-727
Oceanic vortices
  Kawai, H., 19.3-644
Oceanographers
  Gougenheim, A., 19.1-554
Oceanographic atlases
  Vinogradov, K. A. et a 19.7-715
Oceanographic calculations
  Mertsalova, N. B., 19.4-674
  Reiniger, R. F. et a 19.5-617; 19.9-733

Oceanographic charts
Koplan-Diks, I. S., 19.10-710
Oceanographic chemistry
Sillen, L., 19.2-551
Cloud, P. E., Jr., 19.3-641
Richards, F. A., 19.4-635
Josephs, M. et al., 19.6-25
Martin, D. F., 19.9-769
Oceanographic chemistry handbooks
Martin, D. F., 19.12-26
Oceanographic conditions
Cream, P. B., 19.1-509
Rossov, V. V. et al., 19.5-668
Shamont'ev, V. A., 19.6-683
Boeyum G., 19.7-744
U. S. Naval Oceanog. Off., 19.10-65
Oceanographic conferences
Internatl. Counc. for the Exploration of the Sea, 54th Meeting, Copenhagen, Oct. 1966, 19.2-515
Jayaraman, R., 19.5-610
Intergov. Oceanog. Commis. Working Group on Oceanog. Data Exch., 19.7-709
Oceanographic cross sections
Vladimirov, O. A. et al., 19.11-734
Hamilton, D. R. et al., 19.12-718
Oceanographic cruise charts
U. S. Natl. Oceanog. Data Center, 19.2-530
Bumpus, K. et al., 19.5-618
Sohlberg, R. G. et al., 19.8-709
Oceanographic cruise data
Australia. Commonwealth Sci. and Indust. Res. Organiz. Div. of Fish. and Oceanog., 19.2-519
Humes, A. G., 19.2-521
Wyrtki, K., 19.2-522
Boeyum, G., 19.2-528
California. Univ., San Diego. Institute of Marine Resources, 19.3-614
Canada. Oceanographic Data Centre, Ottawa, 19.3-615, 616
Rotschi, H. et al., 19.3-617
Washington (State). Univ., Seattle. Dept. of Oceanography, 19.3-618
Canada. Oceanographic Data Centre, Ottawa, 19.4-603
Japan. Oceanographic Data Center, 19.4-604
Wyrtki, K. et al., 19.4-605
Bumpus, K. et al., 19.5-618
Charnell, R. L. et al., 19.5-620
Ryther, J. H., 19.5-622
Wargelin, R. M., 19.5-624
Wash. (State). Univ., Seattle. Dept. of Oceanog., 19.7-719, 720
Jacobs, S. S. et al., 19.8-707
Schemainda, R. et al., 19.8-708
Sohlberg, R. G. et al., 19.8-709
Australia. Commonwealth Sci. and Indust. Res. Organiz. Div. of Fish. and Oceanog., 19.9-736, 737, 738
Brandhorst, W. et al., 19.9-739
Guillen, O., 19.9-740
Stevenson, M. R. et al., 19.9-742
Rotschi, H. et al., 19.10-712
Ross, D. I. et al., 19.10-713
Oren, O. H., 19.11-692
Car, M., 19.12-668
Codispoti, L. A. et al., 19.12-669
Countryman, K. A., 19.12-670
Evans, R. G. et al., 19.12-671
Oceanographic cruise reports
Humes, A. G., 19.2-521
Peery, K. B., 19.3-622
Ostericher, C., Jr., 19.6-644
Dunkle, W., 19.8-710
Masuzawa, J., 19.11-697
Bourkland, M. T., 19.12-667
Oceanographic cruises
Akamatsu, H., 19.2-523
Kort, V. G., 19.2-528
Shomura, R. S., 19.2-529
Ehrhardt, J. P., 19.4-608
Gordon, A. L., 19.4-609
Ryther, J. H., 19.5-622
Orren, M. J., 19.5-626
Visser, G. A. et al., 19.6-677
Armstrong, R. S. et al., 19.11-693
Antarctic Journal of the United Sates, 19.11-694
Oceanographic data
Canada. Oceanographic Data Center, Ottawa, 19.2-516
Korea. Hydrographic Office, 19.3-9
U. S. Naval Oceanographic Office, 19.3-610
Wyatt, B. et al., 19.3-612
Tokyo. Tokai Regional Fisheries Research Lab., 19.4-90
Geonautics, Inc., Wash., D.C., 19.7-82
Japan. Met. Agency, 19.7-83
Internat. Counc. for the Expl. of the Sea, 19.8-700
Denmark. Met. Inst., 119.8-701
General Dynamics. Convair Div., San Diego, Calif., 19.8-702
Canada. Oceanographic Data Centre, 19.9-146
Trotti, L., 19.9-734
Filippov, B. A., 19.12-673
Oceanographic data acquisition systems
Koontz, W. A. et al., 19.1-529
Morgan, K. A. et al., 19.4-613
Oceanographic data analysis
Brogden, W. B. et al., 19.11-691
Barwick, A. S., 19.12-666
Oceanographic data catalogs
World Data Center A/for/ Oceanography, Wash., D.C., 19.3-619
Oceanographic data centers
Beliaev, Iu. I., 19.3-606
Intergovern. Oceanog. Comm., 19.9-730
Japan. Oceanographic Data Center, 19.9-732
Oceanographic data collection
Wolff, P. M., 19.9-735
Oceanographic data exchange
World Data Center A [for] Oceanography, Wash., D.C., 19.3-608
Intergov. Oceanog. Commis. Working Group on Oceanog. Data Exch., 19.7-709
Offshore Explor. Conf., 2nd, Long Beach, Calif., Feb. 21-23, 1967, 19.9-729
Richmond, B. S., 19.11-690
Oceanographic data interpolation
Reiniger, R. F. et al., 19.5-617; 19.9-733
Oceanographic data processing
Diemer, F., 19.2-517
Yergen, W. E., 19.2-518
Dubina, R. B. et al., 19.3-609
Graffe, V., 19.7-717
General Dynamics. Convair Div., San Diego, Calif., 19.8-702
Fine, S., 19.8-711
Gurke, J. L., 19.9-731
Perry, K. E. et al., 19.9-749
Koplan-Diks, I. S., 19.10-710
Yergen, W. E., 19.12-665
Oceanographic data processing systems
Russell, J. J., 19.1-511
Oceanographic data transmission
Dubina, R. B. et al., 19.3-609
Intergov. Oceanog. Comm., 19.8-712
Wasserman, L. P., 19.9-662
Oceanographic education
Charlier, R. H., 19.5-615
Oceanographic equipment
Lee, A. J., 19.4-618
Ferrara, A. A., 19.5-629

Stahl, P. C., 19.5-631
Burke, F. P., Jr. et al., 19.9-747
Perry, K. E. et al., 19.9-749
Oceanographic Digest, 19.10-716
Oceanographic expedition reports
Kraus, E. B. et al., 19.5-625
Maizuru, Japan. Marine Observ., 19.9-741
Malmberg, S. A. et al., 19.11-695
Countryman, K. A. et al., 19.12-75
Barwick, A. S., 19.12-666
Sprague, V. G. Jr., 19.12-672
Filippov, B. A., 19.12-673
Johnson, G. L., 19.12-674
Oceanographic expeditionary data
Calif. Univ. Scripps Inst. of Oceanog., La Jolla, 19.5-619
Oren, O. H., 19.5-621
Steyaert, M., 19.5-623
Jiricek, F. et al., 19.10-506
Oceanographic expeditions
Allain, C. et al., 19.4-607
Boltovskoy, E., 19.6-675
Melville, W., 19.7-712
Oceanographic forecast centers
Kesel, P. G., 19.9-723
Oceanographic forecasting
Chaplygin, E. I. et al., 19.2-112
U. S. Navy Symp. on Mil. Oceanog., Wash., D.C., 1967, 19.9-110
Oceanographic institutes
Stewart, H. B., Jr., 19.5-613
Oceanographic instrument cables
Bengelsdorff, E., 19.11-699
Oceanographic instrument industry
Scherago, E. J., 19.2-26
Oceanographic instrument platforms
Hickley, T. J., 11.4-617
Oceanographic instrument systems
Oser, R. K. et al., 19.2-534
Oceanographic instruments
Koontz, W. A. et al., 19.1-529
Boyce, F. M., 19.2-538
Lee, A. J., 19.4-618
Stahl, P. C., 19.5-631
Hodges, G. F., 19.6-651
Lee, A. J., 19.7-711
Dean, W. N., 19.11-700
Niskin, S., 19.11-701
Rooney, R. F., 19.11-702
Teeter, J. L., 19.11-704
Avery, D. E., 19.12-680
Morozov, V. M. et al., 19.12-681
Oceanographic investigations
Lee, A. J., 19.4-618
Boltovskoy, E., 19.6-675
Seckel, G. R., 19.8-713
Makerov, Iu. V., 19.11-722
Oceanographic laboratories
Stewart, H. B., Jr., 19.5-613
Oceanographic models
Faller, A. J., 19.4-611
Paulling, J. R., Jr. et al., 19.5-627
Liapin, A. N., 19.6-646
Ishida, I., 19.10-381
Oceanographic observation manuals
Dunkle, W., 19.8-710
Oceanographic observation techniques
Mann, C. R. et al., 19.1-512
Lazarenko, N. N., 19.6-643
Graffe, V., 19.7-717
Oceanographic observations
Japan. Meteorological Agency, 19.1-2
Botnikov, V. N., 19.2-524
Chin, E., 19.2-525
Hamburg. Deutsches Hydrographisches Inst., 19.6-114
Husby, D. M., 19.8-703, 704
Yergen, W. E., 19.12-665
Oceanographic operations program
U. S. Office of the Oceanog. of the Navy, 19.8-43
Oceanographic optics
Timofeeva, V. A., 19.2-548
Kozlianinov, M. V., 19.5-649
Oceanographic regime
Shamont'ev, V. A., 19.6-683
Rodionov, N. A., 19.9-796
Oceanographic reports
Netherlands. Met. Inst., 19.7-118
Oceanographic research
Iselin, C. O'D. et al., 19.1-19
Barther, A. J., 19.2-40
California. Univ., San Diego. Institute of Marine Resources, 19.2-514
U. S. Navy Electronics Lab., San Diego, Calif., 19.3-10
Australia. Commonwealth Scientific and Industrial Research Organization. Div. of Fisheries and Oceanog., 19.4-599
McElheny, V. K., 19.5-611
Stewart, H. B., Jr., 19.5-613
Calif. Univ. Scripps Inst. of Oceanog., La Jolla, 19.6-637
Partington, R. G., 19.6-639
Powell, C. et al., 19.6-640
Lee, A. J., 19.7-711
White, S., 19.7-716
Heavers, R. M., 19.7-736
Antman, H. S., 19.9-719
Baranov, G. I., 19.9-720
Bennett, J. E., 19.9-721
Calif. Univ., San Diego. Inst. of Marine Resources, 19.9-722
U. S. Naval Undersea Warfare Ctr., San Diego, Calif., 19.9-726
Keeling, C. D. et al., 19.12-662
Oceanographic research institutes
Shuleikin, V. V., 19.3-607
Oceanographic research programs
U. S. Office of the Oceanog. of the Navy, 19.6-641
U. S. Environ. Sci. Serv. Admin., 19.7-714
U. S. Office of the Oceanog. of the Navy, 19.8-696
Valery, N., 19.8-698
Massachusetts Institute of Technology, Cambridge, 19.10-708
Oceanographic research towers
Duane, D. B. et al., 19.6-642
Oceanographic research vessels
Akamatsu, H., 19.2-523
U. S. Interagency Committee on Oceanog., 19.4-615
Paulling, J. R., Jr. et al., 19.5-627
Fricker, F. W., 19.5-628
U. S. ESSA, 19.10-715
Oceanographic sampling
Mann, C. R. et al., 19.1-512
Oceanographic sections
Wyrtki, K., 19.2-522
Krause, G. et al., 19.6-674
Oceanographic services
Oceanographic Digest, 1968, 19.10-716
Oceanographic ships of the world
International Geophysical Year, 1957/1958. IGY World Data Center A (for) Oceanog., 19.2-531
Oceanographic surveys
Garner, D. M., 19.1-510
Haehnle, R. J., 19.2-526
Ichiye, T., 19.2-527
Kort, V. G., 19.2-528
Peery, K. B., 19.3-622
Wyrtki, K. et al., 19.4-605
Texas Instruments Inc., Dallas, 19.4-610
Wargelin, R. M., 19.5-624
Orren, M. J., 19.5-626
Ostericher, C., Jr., 19.6-644
Dahme, A., 19.11-137

- Masuzawa, J., 19.11-697
- Tooma, S. G., Jr. et al., 19.12-675

Oceanographic surveys instrumentation
- Lazarenko, N. N., 19.6-643

Oceanographic tables
- Joint Panel on Oceanographic Tables and Standards, Berne, Oct. 1967, 19.10-730
- Morcos, S. A., 19.11-716

Oceanographic telemetering conferences
- Nat. Telemet. Conf., San Fran., May 1967, 19.7-24

Oceanographic telemetering skiff
- Greenfield, A. R. et al., 19.7-752

Oceanographic variations
- Mann, C. R. et al., 19.1-512
- Brogden, W. B. et al., 19.11-691

Oceanography
- Stewart, H. B., Jr., 19.5-27
- Miller, R. C., 19.6-20
- Briggs, P., 19.7-32
- Advances in Hydroscience, N. Y. Academic Press, 1967, 19.9-34

Oceanography and space sciences
- Seamans, R. C., Jr., 19.4-600

Oceanography bibliographies
- Food and Agricultural Organization of the U.N., Rome, 19.2-44
- Heiner, W. R., 19.3-30
- Akademiia Nauk SSSR. Mezhduvedomstvennyi Geofizicheskii Komitet, 19.3-32
- Wash. (State). Univ., Seattle. Dept. of Oceanog., 19.8-697
- Gawecka, A. et al., 19.9-728
- Woods Hole, Mass. Oceanographic Institution, 19.10-709

Oceanography from space
- Seamans, R. C., Jr., 19.4-600

Oceanography manuals
- Intergoven. Oceanog. Comm., 19.9-730

Oceanography meetings
- Internat. Counc. for the Expl. of the Sea, 19.8-695

Oceanography periodicals
- Food and Agric. Org. of the UN, 19.5-616
- Australia. Oceanographic Data Centre, 19.9-727

Oceanography textbooks
- Britain. Meteorological Office, 19.1-57
- Groen, P., 19.6-4
- Gross, M. G., 19.7-2
- Istoshin, I. V., 19.8-2

Odd-shaped hailstones
- Brown, R. M., 19.10-450

ODESSA, *see* **Ocean Data Environmental Science Services Acquisition System**

Odors
- Byrd, J. F. et al., 19.11-259

Offshore drilling protection
- Blumberg, R., 19.9-334

OGO, *see* **Orbiting Geophysical Observatory**

OMEGA, *see* **OMEGA as acronym**

Operation Deep Freeze 1967-1968
- U. S. Antarctic Research Program, 19.7-128

Oppenheimer, Robert
- Serber, R. et al., 19.4-25

Optical astronomy
- Bowen, I. S., 19.6-563

Optical communications
- Fried, D. L. et al., 19.1-333

Optical constants determination
- Nilsson, P. O., 19.8-331

Optical instruments
- Weiner, M. M., 19.5-242
- Attard, A. E. et al., 19.8-154
- Hirschfeld, T., 19.8-156
- King, W. B., 19.8-157
- Owens, J. C., 19.10-488

Optical measurement techniques
- Attard, A. E. et al., 19.8-154
- King, W. B., 19.8-157
- La Roche, U., 19.8-158
- Leith, E. N. et al., 19.9-143

Optical methods for water vapor measurement
- Quenzel, H., 19.11-113

Optical oceanographic instruments
- Timofeeva, V. A., 19.2-548

Optical phenomena
- Gouin, P., 19.8-468
- Ives, R. L., 19.9-552
- Pokazan'ev, V. G. et al., 19.12-447

Optical properties of air masses
- Edgerton, C. F., 19.9-551

Optical properties of lake water
- Tyler, J. E. et al., 19.3-637
- Smith, R. C. et al., 19.3-690
- Schellenberger, G., 19.5-755

Optical properties of sea water
- Tyler, J. E. et al., 19.3-637
- Dera, J., 19.4-629
- Matsuike, K., 19.9-765

Optical properties of snow
- Mellor, M., 19.3-316

Optical properties of the atmosphere
- Sanderson, J. A., 19.10-552

Optical radar experiments
- Fiocco, G. et al., 19.9-261

Optical radar soundings of atmosphere
- Sandford, M. C. W., 19.5-77

Optical radars
- McCormick, P. D. et al., 19.1-71
- Fried, D. L. et al., 19.1-333

Optical radiation scales
- Blevin, W. R. et al., 19.6-102

Optical refraction in air
- Katzin, M. et al., 19.6-140
- Byson, J., 19.7-474

Optical refraction variations
- Stahl, W., 19.7-248

Optical refractive index
- Fried, D. L. et al., 19.3-363

Optical resistance meters
- Stahl, W., 19.7-248

Optical soundings
- Hunten, D. M. et al., 19.1-407

Optical space research
- Tousey, R., 19.8-465

Optimal stack height determination
- Szepesi, D., 19.12-276

Optimum station networks
- Alaka, M. A. et al., 19.4-82
- Gandin, L. S. et al., 19.4-84
- Gandin, L. S., 19.9-130

Orbiting Geophysical Observatory
- Frank, L. A., 19.10-628
- Nilsson, C. S. et al., 19.10-691

Orbiting Geophysical Observatory 1
- Smith, R. L. et al., 19.3-373
- Kahler, S. W. et al., 19.4-532
- Binsack, J. H. et al., 19.6-545
- Vasyliunas, V. M., 19.8-269

Orbiting Geophysical Observatory 2
- Gooding, R. H., 19.8-618

Orbiting Geophysical Observatory 3
- Wolff, C., 19.3-365
- Sagalyn, R. C. et al., 19.8-269
- Vasyliunas, V. M., 19.8-270
- Alexander, W. M. et al., 19.8-632

Orbiting Geophysical Observatory A
- Heppner, J. P., 19.3-507
- Heppner, J. P. et al., 19.5-455

Orbiting Geophysical Observatory satellites
- Nilsson, C. S. et al., 19.1-147
- Arnoldy, R. L. et al., 19.4-404; 19.5-593
- Frank, L. A. et al., 19.6-539
- Arnoldy, R. L. et al., 19.7-564

Orbiting Solar Observatory
  Pearson, D. B., Jr. et al., 19.10-128
  Watts, R. N., Jr., 19.11-672
Orbiting Solar Observatory 1
  Hess, W. N. et al., 19.4-476
Orbiting Solar Observatory 3
  Neupert, W. M. et al., 19.1-502
Organic carbon in sea water
  Starikova, N. D., 19.1-552
Organic compounds atmospheric pollution
  Went, F. W., 19.6-221
Organic matter remineralization
  Rotschi, H., 19.9-770
Organic nitrogen in sea water determination
  Simolin, A. V. et al., 19.4-637
Orgueil meteorite
  Hayatsu, R., 19.11-659
Origin of atmospheric electricity
  Webb, W. L., 19.8-482
Origin of auroras
  Krasovskii, V. I., 19.7-544
  Unwin, R. S., 19.10-578
Origin of comets
  Starr, V. P. et al., 19.2-489
Origin of life
  Cloud, P. E., Jr., 19.11-383
  Jastrow, R., 19.11-612
Origin of lunar craters
  Sun, J. M. S., 19.8-652
Origin of planets
  Hoyle, F. et al., 19.7-664
Origin of solar bursts
  Zhelezniakov, V. V., 19.12-583
Origin of solar system
  Alfven, H., 19.6-583
  Ter Haar, D., 19.6-586
  Sherman, J. C., 19.9-664
  Lyttleton, R. A., 19.9-671
  Vsekhsviatskii, S. K., 19.9-698
Orographic anticyclogenesis
  Makhover, Z. M., 19.9-350
Orographic cyclogenesis
  Montalto, M. et al., 19.10-249
Orographic disturbances
  Kozhevnikov, V. N., 19.7-359
Orographic effects
  Palmieri, S., 19.10-479
Orographic effects on atmospheric circulation
  Pichler, H. et al., 19.5-192
  Bugaev, V. A. et al., 19.12-193
Orographic effects on clouds
  Okolowicz, W., 19.4-327
Orographic effects on energy budget
  Makai, M., 19.12-171
Orographic effects on glaze deposits
  Raevskii, A. N., 19.2-278
Orographic effects on humidity
  Stopa, M. et al., 19.5-353
Orographic effects on precipitation
  Okolowicz, W., 19.4-327
  Vida, M., 19.5-202
  Nordoe, J. et al., 19.11-447
Orographic effects on precipitation distribution
  Aleksandrian, G. A., 19.9-508
Orographic effects on rainfall
  Ramachandran, G., 19.4-343
  Storr, D., 19.6-402
Orographic effects on rainfall distribution
  Bergeron, T., 19.8-429
Orographic effects on runoff
  Drissel, J. C. et al., 19.9-858
Orographic effects on snow accumulation
  Semenov, V. A., 19.12-413
Orographic effects on snow cover
  Shcheglova, O. P., 19.3-299
  Iashina, A. V. et al., 19.12-818
Orographic effects on snowfall
  Jaffe, A., 19.5-319
Orographic effects on temperature
  Stopa, M. et al., 19.5-353
  Bordovskaia, L. I., 19.7-283
Orographic effects on weather
  Gressel, W., 19.5-352
  Cadez, M., 19.5-358
Orographic effects on winds
  Tokmakov, A. I., 19.2-242
  Mahringer, W., 19.6-335
Orographic influences
  Riazanova, L. A. et al., 19.10-206
Orographic precipitation
  Pristov, J., 19.2-293
  Fliri, F., 19.8-399
Orographic rainfall
  Sarker, R. P., 19.5-320
"Oshawa" cruises, 1964
  Wash. (State). Univ., Seattle. Dept. of Oceanog., 19.7-719
OSO, *see* **Orbiting Solar Observatory**
Outer ionosphere
  Schmelovsky, K. H., 19.9-603
Outer radiation belt
  Paolini, F. R. et al., 19.2-471
  Theodoridis, G. C., 19.3-498
  Owens, H. D. et al., 19.4-525
  McDiarmid, I. B. et al., 19.6-541
  Fritz, T. A., 19.10-5
  Paolini, F. R. et al., 19.10-626
Outer solar corona
  MacQueen, R. M., 19.10-704
Outer Van Allen belt
  Vernov, S. N. et al., 19.1-445
  Kavanagh, L. D., Jr., 19.3-495
Outermost radiation belt
  Vernov, S. N. et al., 19.1-445
Outgoing radiation
  Rakipova, L. R., 19.1-218
  Kondrat'ev, K. I. et al., 19.2-11
Outgoing radiation absorption
  Iakushevskaia, K. E., 19.1-215
Outgoing radiation calculations
  Kondrat'ev, K. Ia. et al., 19.1-216
  Zhvalev, V. F. et al., 19.1-220
Outgoing radiation flux
  Lebedinskii, A. I. et al., 19.1-217
  Zhvalev, V. F. et al., 19.1-220
  Drobyshevich, V. I., 19.4-256
  Peterson, J. T. et al., 19.11-348
Outgoing radiation measurements
  Kondrat'ev, K. Ia. et al., 19.1-216
  Chaney, L. W. et al., 19.2-16
  Kuhn, P. M., 19.12-243
Outgoing radiation spectrum
  Lebedinskii, A. I. et al., 19.8-335
  Tannhaeuser, I. O., 19.8-342
Outgoing terrestrial flux calculation
  Martin, F. L. et al., 19.12-244
Oxidation–reduction potential of sea water
  Smirnov, E. V. et al., 19.4-641
Oxygen absorption of radio waves
  Bazlova, T. I., 19.10-189
  Gautier, D., 19.11-560
Oxygen absorption spectra
  Shardanand, –, 19.2-214
Oxygen absorption spectrum measurements
  Carter, C. J. et al., 19.9-256
Oxygen bands
  Drayson, S. R. et al., 19.8-336
  Degen, V., 19.9-621
Oxygen content of air
  Berkner, L. V. et al., 19.1-134
Oxygen content of sea water
  Kinsey, D. W. et al., 19.6-667
Oxygen dayglow emissions
  Evans, W. F. J. et al., 19.8-329
Oxygen dissociation
  Maeda, K., 19.10-575
Oxygen distribution in sea water
  Miyake, Y. et al., 19.1-547
  Sapozhnikov, V. V., 19.1-550
  Sapozhnikov, V. V. et al., 19.1-551
Oxygen in mesosphere
  Maeda, K. et al., 19.4-192
Oxygen in photosphere
  Mueller, E. A. et al., 19.7-702

- **Oxygen in sea water**
  - Ohwada, M. et al., 19.5-654
  - Mostert, S. A., 19.6-665
  - Bubnov, V. A., 19.7-738
- **Oxygen in sea water measurement techniques**
  - Solov'ev, L. G., 19.1-530, 531
- **Oxygen in soil air–plant growth relationships**
  - Kaack, K. et al., 19.4-36
- **Oxygen in upper atmosphere**
  - Geisler, J. E. et al., 19.3-143
  - Von Zahn, U., 19.4-68
- **Oxygen isotopes in snow**
  - Aldaz, L. et al., 19.6-414
- **Oxygen lines**
  - Roach, F. E. et al., 19.2-416
  - Mueller, E. A. et al., 19.7-702
- **Oxygen measurement techniques**
  - Hughes, E. E., 19.10-153
- **Oxygen microwave spectrum**
  - Westwater, Ed R. et al., 19.12-257
- **Oxygen patterns–water mass relationships**
  - Potash, M. et al., 19.4-745
- **Oxygen red line**
  - Dueboin, M. L. et al., 19.5-441
- **Oxygen solubility in sea water**
  - Gilbert, W. E. et al., 19.11-721
- **Oxygen spectra**
  - Biondi, M. A. et al., 19.9-620
- **Oxymeters**
  - Solov'ev, L. G., 19.1-530, 531
- **Ozone absorption**
  - Dave, J. V. et al., 19.6-304
- **Ozone absorption coefficient measurement techniques**
  - Vigroux, E., 19.4-198
- **Ozone amount–stratospheric zonal wind relationships**
  - Berson, F. A., 19.12-152
- **Ozone amount variation**
  - Fabian, P., 19.8-263
- **Ozone charts**
  - Bugaev, V. A. et al., 19.4-195
- **Ozone concentration**
  - Kawamura, K. et al., 19.2-132
  - Davis, D. R. et al., 19.8-189
- **Ozone concentration forecasting**
  - Davis, D. R. et al., 19.8-189
- **Ozone content of air**
  - Bugaev, V. A. et al., 19.7-219
- **Ozone damage to tobacco leaves**
  - Davis, D. R. et al., 19.8-189
- **Ozone data analysis**
  - Weyant, W. S., 19.12-158
- **Ozone destruction**
  - Kelley, J. J., Jr. et al., 19.10-191
  - Galbally, I., 19.11-260
- **Ozone determination**
  - Nash, T., 19.5-167
- **Ozone distribution**
  - Bugaev, V. A. et al., 19.4-195
- **Ozone distribution in lower stratosphere**
  - Berggren, R., 19.12-157
- **Ozone effects**
  - Vassy, A., 19.8-267
- **Ozone effects on middle atmosphere**
  - Leovy, C. B., 19.9-310
- **Ozone height distribution**
  - Uranova, L. A., 19.8-357
- **Ozone in Antarctic**
  - Aldaz, L., 19.1-133
- **Ozone in mesosphere**
  - Maeda, K. et al., 19.4-192
  - Randhawa, J. S., 19.7-247
  - Nagata, T. et al., 19.8-264
  - Reed, E. I., 19.8-266
- **Ozone instruments**
  - Desjardins, R. L., 19.2-107
  - Duetsch, H. U., 19.9-207
- **Ozone measurement during eclipses**
  - Randhawa, J. S., 19.7-247
- **Ozone measurement techniques**
  - Reed, E. I., 19.8-266
  - Duetsch, H. U., 19.9-207
  - Caton, W. M. et al., 19.10-210
- **Ozone measurements**
  - Desjardins, R. L., 19.2-107
  - Picha, J., 19.4-179
  - Dobson, G. M. B., 19.8-262
  - Dziewulska-Losiowa, A., 19.9-287
- **Ozone near the ground**
  - Lea, D. A., 19.7-218
- **Ozone networks**
  - Bugaev, V. A. et al., 19.4-195
  - Dobson, G. M. B., 19.8-262
- **Ozone observations**
  - Baez, A. P., 19.8-90
- **Ozone photochemistry**
  - Wilson, A. W., 19.8-268
- **Ozone production**
  - Wilson, A. W., 19.8-268
- **Ozone profiles**
  - Rodgers, C. D., 19.7-268
- **Ozone–radioactivity relationships**
  - Aldaz, L., 19.1-133
- **Ozone research**
  - Dobson, G. M. B., 19.8-262
- **Ozone soundings**
  - Rosen, J., 19.6-217
- **Ozone–sporadic E layer (Es) relationships**
  - Kohl, G., 19.10-494
- **Ozone transport mechanisms**
  - Fabian, P., 19.8-263
  - Danielsen, E. F., 19.9-273
- **Ozone–twilight polarization relationships**
  - Kohl, G., 19.6-462
  - Dietze, G., 19.6-466
  - Kohl, G., 19.10-494
- **Ozone–ultraviolet radiation relationships**
  - Leistner, W., 19.4-251
- **Ozone variations**
  - Angell, J. K. et al., 19.3-146
  - Kekawska, M., 19.4-197
  - Berson, F. A. et al., 19.8-245
  - Brewer, A. W., 19.8-261
  - Reed, R. J., 19.8-459
  - Maeda, K. et al., 19.9-282
  - Dziewulska-Losiowa, A., 19.9-287
  - Willett, H. C., 19.9-405
  - Weyant, W. S., 19.12-158
- **Ozone variations at ground level**
  - Galbally, I., 19.11-260
- **Ozone variations during eclipse**
  - Rodionov, S. F., 19.11-511
- **Ozonesonde data**
  - Hering, W. S. et al., 19.7-246
- **Ozonesonde observations**
  - Weyant, W. S., 19.12-158
- **Ozonesondes**
  - Morrissey, E. G., 19.6-157

P

- **P wave**
  - Johnson, L. R., 19.10-601
- **PAGEOS satellite**
  - Stenlund, S. J. et al., 19.5-102
- **Pc micropulsations**
  - Briunelli, B. E., 19.3-476
  - Fanselau, G., 19.3-477
  - Gokhberg, M. et al., 19.3-478
  - Heacock, R. R. et al., 19.3-479
  - Troitskaia, V. A. et al., 19.3-484
  - Mainstone, J. S., 19.3-509
  - Heacock, R. R. et al., 19.5-496
  - Shchepetnov, R. V., 19.5-499
  - Fraser, B. J., 19.6-536
  - Kimura, I. et al., 19.8-585
  - Manchester, R. N., 19.10-618
  - Veroe, J., 19.11-572
  - Annexstad, J. O. et al., 19.11-573
  - Baranskii, L. N. et al., 19.11-574
  - De Miguel, L., 19.11-576
  - Fanselau, G., 19.11-577
  - Prikner, K., 19.11-581
  - Kokubun, S., 19.12-534
  - Nagata, T. et al., 19.12-535
- **Pg micropulsations**
  - Annexstad, J. O. et al., 19.7-598
- **pH content of sea water**
  - Akiyama, T. et al., 19.5-651
  - Sillen, L. G., 19.9-774
- **pH content of water**
  - Lee, G. F. et al., 19.9-810

- **Pi geomagnetic micropulsations**
  - Raspopov, O. M. et al., 19.5-497, 498
  - De Miguel, L., 19.11-576
  - Jacobs, J. A., 19.11-579
- **PAGEOS,** *see* **PAGEOS as acronym**
- **Paleobotanical investigations**
  - Jochimsen, M., 19.5-732
- **Paleoclimates**
  - Shackleton, N. J. et al., 19.7-454
  - Tsukada, M., 19.7-455
  - Hendy, C. H. et al., 19.12-436
- **Paleoclimatology textbooks**
  - Sinitsyn, V. M., 19.9-12
- **Paleomagnetic conferences**
  - NATO Advanced Study Inst., Newcastle-upon-Tyne, 1964, 19.6-29
- **Paleomagnetic investigations**
  - Libby, W. F., 19.3-456
  - Creer, K. M., 19.4-512
  - Baksi, A. K. et al., 19.5-477
  - Hays, J. D. et al., 19.5-478
  - Smith, P. J., 19.5-479
  - Opdyke, N. D. et al., 19.8-570
- **Paleomagnetic research**
  - Cox, A., 19.5-472
  - Storetvedt, K. M., 19.7-587
- **Paleomagnetic stability**
  - Vollstaedt, H. et al., 19.7-588
- **Paleomagnetic variations**
  - Vestine, E. H., 19.10-613
- **Paleomagnetism**
  - Krs, M., 19.1-431
  - Nagata, T. et al., 19.10-612
- **Paleontology**
  - MacDougall, I. et al., 19.12-435
- **Paleo-oceanography**
  - Olausson, E., 19.6-439
  - Worthington, L. V., 19.11-730
- **Paleotemperature measurement techniques**
  - Hendy, C. H. et al., 19.12-436
- **Paleotemperatures**
  - Shackleton, N., 19.12-437
- **Paleozoic deposits**
  - Frakes, L. A. et al., 19.10-777
  - Storetvedt, K. M., 19.7-587
- **Pampa climate**
  - Walter, H., 19.1-326
- **Pampa ecology**
  - Walter, H., 19.1-326
- **Pampa hydrology**
  - Walter, H., 19.1-326
- **Pampa vegetation**
  - Walter, H., 19.1-328
- **Pan evaporimeter measurements**
  - Peck, E. L., 19.7-5
  - Shaw, R. H. et al., 19.11-430
- **Pan evaporimeters**
  - Brutsaert, W. et al., 19.12-91
- **Parachute testing**
  - McFall, J. C., Jr., 19.5-42
- **Parachute weather stations**
  - Hardin, V. S., 19.7-104
- **Parametric amplifiers**
  - Herget, W. F. et al., 19.10-155
- **Particle atlas**
  - McCrone, W. et al., 19.4-13
- **Particle content of hail**
  - Rosinski, J., 19.3-350
- **Particle counters**
  - Ichimura, I. et al., 19.10-81
- **Particle diffusion**
  - Klein, M. M. et al., 19.7-342
- **Particle dispersion**
  - Kao, S. K. et al., 19.7-341
- **Particle dynamics**
  - Il'in, V. D., 19.7-625
- **Particle motion**
  - Ludlam, F. H., 19.1-132
  - Voloshchuk, V. M., 19.1-153; 19.2-145
  - Diukalov, A. N. et al., 19.2-457
- **Particle scattering**
  - Ivanovskii, A. I., 19.1-340
- **Particle size determination**
  - Perel'man, A. Ia., 19.9-382
  - Shifrin, K. S. et al., 19.11-271
- **Particle size distribution measurement techniques**
  - Cornford, S. G., 19.5-131
- **Particle size spectrum**
  - Shifrin, K. S. et al., 19.1-149; 19.11-271
- **Particle taxonomy**
  - McCrone, W. et al., 19.4-13
- **Particle trajectories**
  - Voloshchuk, V. M., 19.2-145
  - Megaw, W. J. et al., 19.12-456
- **Particulate atmospheric pollution**
  - Stewart, I. M. et al., 19.7-235
- **Particulate clouds**
  - Fiedler, R. et al., 19.5-333
- **Particulate matter in sea water**
  - Handa, N., 19.4-634
  - Toyota, Y. et al., 19.6-659
- **Particulate substance identification**
  - McCrone, W. et al., 19.4-13
- **Pasture agrometeorology**
  - Gringof, I. G., 19.6-16
- **Pathological effects**
  - Ivanovici, H. et al., 19.11-96
- **Pathology**
  - Mats, L. I. et al., 19.3-43
- **Pc,** *see* **Pc as acronym**
- **Pea cultivation**
  - Khomiakov, V. N., 19.4-38
- **Peanut cultivation**
  - Wood, I. M. W., 19.10-300
- **Pearl-type micropulsation theories**
  - Sen, A. K., 19.7-601
- **Pearl type micropulsations**
  - Gendrin, R., 19.4-549
  - Dowden, R. L., 19.8-491
- **Peat soil properties**
  - Myshinskii, S. A. et al., 19.1-600
  - Juusela, T., 19.2-230
- **Pebble transport**
  - Beauchesne, P. et al., 19.4-684
- **Pendulums**
  - Bonatz, M., 19.6-193
- **Penetrating radiation**
  - Gould, R. J. et al., 19.10-588
- **Penman's method of evaporation calculation**
  - Fitzpatrick, E. A., 19.7-92
- **Pentad rainfall forecasting**
  - De, U. S., 19.6-175
  - Shukla, J., 19.6-177
- **Permafrost**
  - Arctic biology, 19.11-43
  - Marinov, N. A., 19.11-373
- **Permafrost depth**
  - Brown, R. J. E., 19.1-235
- **Permafrost distribution**
  - Brown, R. J. E., 19.1-235; 19.11-370
- **Permafrost formation**
  - Atakanov, U. A., 19.5-237
  - Brown, R. J. E., 19.11-370
- **Permafrost ground water movements**
  - Piguzova, V. M. et al., 19.3-696
  - Lifshits, F. A. et al., 19.7-816
- **Permafrost temperatures**
  - Grave, N. A., 19.11-371
- **Perturbation parameters**
  - Sadovnikov, A. V., 19.10-83
- **Perturbation theories**
  - Monoghan, J. J., 19.5-540
  - Kampos, B., 19.9-89
  - Criminale, W. O., Jr., 19.10-325
- **Perturbative effect of Sun on satellite motion**
  - Nicholson, F. T., 19.7-472
- **Peru Current**
  - La Violette, P. E. et al., 19.1-563
  - Lermond, J. W., 19.1-564
  - Stevenson, M. R. et al., 19.9-742
  - Mugica, R., 19.10-746
- **Petroleum pollution of reservoir water**
  - Romanov, D. F., 19.6-785
- **pH,** *see* **pH as acronym**
- **Phase velocity of radio wave propagation**
  - Burgess, B., 19.10-70
- **Phenological climatology**
  - Caprio, J. M., 19.7-129
- **Phenological data**
  - Petrovic, S., 19.2-7

Phenological observations
Roller, M., 19.8-100
Phenological studies
Shul'ts, G. E., 19.3-66
Philberth probe
Aamot, H. W. C., 19.10-768
Phosphates in sea water
Sapozhnikov, V. V., 19.1-550, 551
Ohwada, M. et al., 19.5-654
Mostert, S. A., 19.6-665
Rochford, D. J., 19.6-666
Kirkwood, L. F., 19.8-724
Phosphorescence of sea water
Mertins, H. O., 19.4-632
Phosphorus concentrations
Verduin, J., 19.7-792
Phosphorus in sea water
Kirkwood, L. F., 19.8-724
Photochemical atmospheric pollution
Jaffe, L. S., 19.7-224
Photochemistry of atmospheric pollution
Haagen-Smit, A. J. et al., 19.8-228
Photoelectric guiders
Ball, W. F. et al., 19.8-624
Photoelectric meters
Akul'shina, L. G. et al., 19.8-149
Photoelectric observations of Moon
Mikhail, J. S., 19.7-658
Photoelectric photometry
Franklin, F. A., 19.1-207
Shvebs, G. I., 19.5-752
Photoelectric polarimeters
Chesebrough, G. F. et al., 19.7-477
Photoelectron spectrometer
Hall, M. P. M. et al., 19.10-141
Photoelectronic processes in upper atmopshere
Ogawa, T. et al., 19.1-382
Photogrammetric method applied to avalanche studies
Van Wijk, M. C., 19.5-329
Photographic emulsion characteristics
Brandt, P. N., 19.9-699
Photographic observation of rockets
Kibinski, J. M., 19.6-130
Photographic observation of satellites
Hewitt, J., 19.4-561
Photographic observation techniques
Hersey, J. B., 19.8-24
Photographic observations of Venus
Keene, G. T., 19.7-666
Photoionization
Cairns, R. B. et al., 19.12-153
Photoionization rate changes
Hooke, W. H., 19.12-488
Photometer calibration
Blacker, H. V. et al., 19.6-516
Smith, L. L. et al., 19.8-549
Photometers
Schellenberger, G., 19.5-755
Photometric airglow observation techniques
Moos, H. W. et al., 19.2-414
Photometric measurements
Laktionov, A. G., 19.8-153
Photometric methods
Finch, D. M. et al., 19.10-484
Photometric observation of Jupiter
Aksenov, A. N. et al., 19.12-603
Photometric observation of Mars
Pollack, J. B. et al., 19.10-687
Photometric observation of solar flares
Falciani, R. et al., 19.9-707
Photometric observation techniques
Volkovitskii, O. A. et al., 19.8-467
Photometry of Venus
Goody, R. et al., 19.8-659
Photomicrography
McCrone, W. et al., 19.4-139
Photomultipliers
Hirschfeld, T., 19.8-156
Ball, W. F. et al., 19.8-624
Iuskeselieva, L. et al., 19.11-432
Photon-electron cascades
Mishra, N., 19.3-430
Photoperiodism
Drescher, J. W., 19.5-351
Photophoresis
Davies, C. N., 19.5-17
Photosphere
Tandberg-Hanssen, E., 19.10-12
Photosphere oscillations
Beubner, F. L., 19.4-584
Photospheric composition
Mueller, E. A., 19.12-628
Photospheric magnetic fields
Leighton, R. B., 19.3-594
Tsap, T. T., 19.7-695
Photospheric magnetism–solar flare relationships
Smith, S. F. et al., 19.9-703
Photospheric models
Elste, G., 19.7-688
De Jager, C. et al., 19.7-700
Mueller, E. A. et al., 19.7-702
Withbroe, G. L., 19.7-703
Gingerich, O. et al., 19.8-673
Cuny, Y., 19.8-684
Conf. on the Structure of the Quiet Photosphere, Arnhem, Holland, Apr. 17-21, 1967, 19.12-19
Photospheric motions
Deubner, F. L., 19.4-584
Noyes, R. W., 19.8-674
Photospheric observations
Mallia, E. A., 19.12-627
Photospheric physics
Leacock, R. A. et al., 19.8-343
Photospheric spectra
De Jager, C. et al., 19.7-700
Khromova, T. P., 19.10-695
Peach, J. V., 19.12-655
Photospheric temperature distributions
Lambert, D. L., 19.7-683
Photospheric temperatures
Sitnik, G. F. et al., 19.4-586
Sauval, A., 19.8-688
Photospheric velocity fluctuations
Deubner, F. L., 19.12-624
Photosynthesis
Szeicz, G., 19.2-93
Yabuki, K. et al., 19.2-133
Photosynthesis activity in oceans
Dera, J., 19.4-629
Photosynthesis research
Hunt, L. A. et al., 19.6-288
Photosynthetically active radiation
Tooming, Kh. et al., 19.8-322
Photothermographs
Kogan, B. A., 19.11-709
Physical forecasting techniques
White, R. M., 19.7-176
Physical geography
Dohrs, F. E. et al., 19.9-35
Gorbatskii, G. V., 19.10-11
Akademiia, N., 19.12-16
Physical geography textbooks
Akademiia Nauk SSSR, Inst. Geog., 19.10-10
Physical oceanography
Cream, P. B., 19.1-509
Rakestraw, N. W., 19.3-27
Physical oceanography research
Grijalva, N., 19.11-688
Physical oceanography–ship design relationships
Johnson, A. J., 19.7-710
Physical properties of sea water
Schufle, J. A., 19.3-634
Physical properties of snow cover
Kuvaeva, G. M. et al., 19.6-9
Physical similitude
Martinot-Lagarde, A., 19.2-14
Physical-statistical methods
Zverev, N. I., 19.12-132
Physico-chemical processes in the atmosphere
Bragin, Iu. A. et al., 19.8-246

Physics of water
  Schuflel, J. A., 19.3-634
Physiography
  Bird, J. B., 19.6-12
Physiological climatology
  Modval, M. et al., 19.11-94
Physiological effects of temperature
  Milcu, St. M. et al., 19.11-360
  Serban, Al., 19.11-361
Phytoclimatology
  Stoenescu, S. M. et al., 19.7-458
Phytoplankton
  California. Univ., San Diego. Institute of Marine Resources, 19.2-514
Phytoplankton distribution
  Dobrzhanskaia, M. A., 19.10-729
Phytoplankton extinction
  Tappan, H., 19.11-486
Phytoplankton in lakes
  Lipscomb, R. G., 19.7-790
Phytoplankton photosynthesis
  Tappan, H., 19.11-486
Phytoplankton production
  Calif. Univ., San Diego. Inst. of Marine Resources, 19.9-722
Pi, *see* **Pi as acronym**
Pic du Midi Observatory, France
  Gracia, R., 19.1-42
Pierce lightning counter
  Boer, J. H. et al., 19.10-152
Pilot balloon tracking techniques
  Kubinski, S. F., 19.3-54
Pilot briefing
  Engler, J., 19.8-190
Pilot's training courses
  Bruch, H., 19.6-60
Pine forest microclimates
  Krecmer, V., 19.8-408
Pine tree growth
  Moehring, D. M. et al., 19.5-54
Plane wave diffraction
  Sekerzh-Zen'kovich, S. Ia., 19.7-754
Planet formation theories
  Harris, P. G. et al., 19.6-585
Planetary astronomy
  NATO Advanced Study Inst., Newcastle upon Tyne, Mar. 30-Apr. 7, 1966, 19.12-18
Planetary atmosphere investigation techniques
  Phinney, R. A. et al., 19.7-253
  Donahue, T. M., 19.11-115
Planetary atmosphere models
  McElroy, M. B., 19.12-597
Planetary atmospheres
  Walbaum, M. et al., 19.3-570
  Green, A. E. S. et al., 19.5-560
  Pitts, D. E., 19.9-681
  Reese, D. E. et al., 19.10-680
  Meadows, A. J., 19.11-647
  Sobolev, V. V., 19.11-648
  Donahue, T. M., 19.12-592
  Johnson, F. S., 19.12-595
  Owen, T., 19.12-598
  Stewart, R. W., 19.12-600
Planetary atmospheric chemistry
  Dalgarno, A., 19.6-196
Planetary atmospheric composition
  Cruikshank, D. P., 19.5-559
Planetary boundary layer
  Lettau, B., 19.1-30
  Lenschow, D. H. et al., 19.3-68
  Laikhtman, D. L., 19.4-184
  Priestley, C. H. B., 19.8-284
  Church, H. W., 19.9-437
  Monin, A. S. et al., 19.11-273
Planetary circulation studies
  La Valle, L., 19.9-308
Planetary composition
  Harris, P. G. et al., 19.6-585
Planetary Entry Parachute Program
  McFall, J. C., Jr., 19.5-42
  Payne, J. C., 19.5-43
Planetary environments
  Meadows, A. J., 19.11-647
Planetary evolution
  Harris, P. G. et al., 19.6-585
Planetary gases
  Green, A. E. S. et al., 19.5-560
Planetary geomagnetic index
  Mayaud, P. N., 19.12-540
Planetary influences on geomagnetism
  Houtgast, J. et al., 19.3-447
  Jacobs, J. A. et al., 19.3-492
Planetary interiors
  Ashworth, D. G., 19.8-656
Planetary magnetic fields
  Pochtarev, V. I., 19.2-498
  Smith, E. J., 19.3-539
Planetary magnetospheres
  Alfven, H., 19.6-542
Planetary mantles
  Ashworth, D. G., 19.8-656
Planetary meteorology
  Dragesco, J., 19.3-565
Planetary motion
  Musen, P., 19.7-643
Planetary observations
  Dragesco, J., 19.3-565
Planetary orbits
  Gilvarry, J. J., 19.6-611
Planetary physics
  Piddington, J. H. et al., 19.9-669
Planetary polarimetry
  Egan, W. G. et al., 19.11-646
Planetary radiation
  Heller, G. B., 19.11-41
Planetary research
  Kuiper, G. P., 19.6-588
  Sky and Telescope, 19.8-658
  Calif. Inst. of Tech. Jet Propul. Lab., 19.9-19
  Serov, A., 19.10-684
  Stubbs, P., 19.10-688
  Robertson, R. L., 19.11-596
  Kliore, A. J., 19.11-651
  Kalinenkov, N. D., 19.12-591
  Kliore, A. et al., 19.12-596
  Heuseler, H., 19.12-601
  Aksenov, A. N. et al., 19.12-603
  Kartashov, V. F., 19.12-605
Planetary Rossby waves
  Dickinson, R. E., 19.12-181
Planetary rotation
  Faus, A. A., 19.2-463
Planetary satellites
  Bowell, E. L. G. et al., 19.9-689
Planetary scale disturbances
  Deland, R. J. et al., 19.6-25
Planetary science
  Jastrow, R., 19.5-561
Planetary spectra
  Zander, R., 19.3-556
  Teifel', V. G., 19.12-606
Planetary studies
  Debehogne, H., 19.11-650
Planetary surface propertie determination
  Nordberg, W., 19.10-127
Planetary surfaces
  Adams, J. B., 19.10-673
  Campbell, M. J. et al. 19.10-675
  Hapke, B., 19.10-677
  Libby, W. F., 19.10-683
  Hartmann, W. K., 19.12-58
Planetary temperatures
  Libby, W. F., 19.10-683
Planetary thermal equilibriu
  Komabayasi, M., 19.3-555
Planetary upper frontal zones
  Vorob'ev, V. I., 19.1-198
Planetary waves
  Longuet-Higgins, M. S. et al 19.5-658
  Bradley, J. H. S., 19.8-292
Planetary X-ray flux
  Haymes, R. C. et al., 19.8-64
Planets
  Jastrow, R., 19.5-561
Plankton surveys
  Ehrhardt, J. P., 19.4-608
Planktonic foraminifera
  Boltovskoy, E., 19.6-675
Plant bioclimatology
  Cox, L. M. et al., 19.6-42
Plant climate
  Kimball, M. H. et al., 19.7-46
Plant damage
  Lahmann, E., 19.8-232

Grainger, J., 19.9-96
Idle, D. B., 19.9-97
Plant disease forecasting
Wallin, J. R., 19.7-185
Plant ecology
Hosokawa, T., 19.11-493
Plant ecology–microclimate relationships
Bodrogkoezy, Gy. et al., 19.11-492
Plant effects on evapotranspiration
Gates, D. M. et al., 19.7-370
Plant–environment interrelations
Lowry, W. P., 19.7-465
Plant exposure chambers
Darley, E. F. et al., 19.5-168
Plant growth
Coombe, D. E., 19.2-190
Hughes, A. P., 19.2-194
Rackham, O., 19.2-197
Plant growth period determination
Fitzpatrick, E. A. et al., 19.10-55
Plant injuries
McCune, D. C. et al., 19.6-208
Plant microclimatology
Intribus, R., 19.2-318
Gates, D. M., 19.6-444
Plant micrometeorology
Lemon, E. R., 19.6-445
Plant phenology
Karlinski, M. et al., 19.10-478
Plant physiology
Vaadia, Y. et al., 19.7-376
Plant respiration
Tooming, Kh. et al., 19.8-322
Plant water economy
Vaadia, Y. et al., 19.7-376
Kramer, P. J. et al., 19.7-852
Peters, D. B. et al., 19.7-856
Gardner, W. R., 19.8-53, 404
Planting–ripening period
Kalmykova, V. V., 19.8-61
Plasma convection
Alekseeva, L. M., 19.2-456
Plasma diffusion
Porkolab, M. et al., 19.8-288
Plasma dynamics
Theimer, O. et al., 19.6-562
Plasma effects on antenna response patterns
Swift, C. T., 19.11-105
Plasma electromagnetic wave scattering
Ginzburg, V. L., 19.9-3
Plasma heating
Sovie, R. J. et al., 19.3-518
Plasma instabilities
Ichimaru, S. et al., 19.6-559
Sato, T. et al., 19.8-529
Plasma interactions with charged particles
Asseo, E. et al., 19.5-513
Plasma oscillations
Diukalov, A. N. et al., 19.2-457
Hagfors, T., 19.3-506
Krasovskii, V. I., 19.8-254
Plasma physics
Sitenko, A. G., 19.2-13
Levine, M. A., 19.3-527
Baldwin, D. E., 19.5-514
Veselovskii, I. S., 19.5-525
Pokazan'ev, V. G. et al., 19.12-447
Samir, U., 19.12-564
Plasma physics research
Holt, E. H. et al., 19.2-458
Fahleson, U., 19.3-503
Plasma probes
Chirkov, V. P., 19.2-455
Samir, U., 19.12-564
Plasma properties
Gurevich, A. V. et al., 19.8-505
Plasma stability
Shul'man, L. M., 19.1-441
Plasma turbulence
Balsley, B. B., 19.7-351
Plasma wave propagation
Masani, A. et al., 19.3-511
Abraham, B. (S.), 19.5-512
Rao, S. S. et al., 19.5-521
Van'ian, L. L. et al., 19.5-523, 524
Ichimaru, S., 19.6-558
Cross, R. C. et al., 19.12-50
Plasma waves
Abraham, B., 19.3-499
Rydbeck, O. E. H., 19.12-461
Plasmapause–geomagnetic indices relationships
Carpenter, D. L., 19.3-149
Plasmapause in magnetosphere
Binsack, J. H., 19.2-459
Helliwell, R. A., 19.4-551
Plasmasphere
Taylor, H. A., Jr. et al., 19.7-592
Plasmoid properties
Ancona, C., 19.12-464
Plastic deformation of ice
Webb, W. W. et al., 19.8-447
Plastic deformation of ice crystals
Higashi, A., 19.11-760
Wakahama, G., 19.11-772
Plastic greenhouses
Kitamura, K., 19.3-40
Platinum resistance thermometers
Sinclair, D. H. et al., 19.9-175
Pleistocene climate
Shackleton, N. J. et al., 19.7-454
Pleistocene climatic changes
Donahue, J. G., 19.6-442
Pleistocene deposits
Shackleton, N. J. et al., 19.7-454
Pleistocene glaciation
Curry, R. R., 19.2-590
Dort, W., Jr., 19.2-591
Tsukada, M., 19.7-455
Pleistocene marine sedimentation
Emiliani, C., 19.7-767
Pleistocene ocean temperatures
Donahue, J. G., 19.6-442
Pleistocene period
Kutzbach, J. E. et al., 19.11-323
Pleistocene sea levels
Hoyt, J. H. 19.1-536
Pleistocene temperatures
Eriksson, E., 19.12-431
Plumes
Morton, B. R., 19.5-271
Peterson, K. R., 19.7-254
Strom, G. H., 19.8-381
Plutonium in atmosphere
Magno, P. J. et al., 19.4-202
Plutonium in man
Magno, P. J. et al., 19.4-202
Plutonium in milk
Magno, P. J. et al., 19.4-202
Plutonium in precipitation
Magno, P. J. et al., 19.4-202
Plutonium-238 in upper atmosphere
Krey, P. W., 19.3-154
Pluviographic data uses for vertical velocity calculations
Orlova, E. M., 19.9-314
Point-areal rainfall measurements
Holland, D. J., 19.1-298
Point discharge currents
Kamra, A. K. et al., 19.4-393
Jhawar, D. S., 19.7-484
Point discharge currents through a tree
Jhawar, D. S. et al., 19.2-332
Point source diffusion
Iordanov, D. L., 19.1-177
Pasquill, F., 19.1-252
Slade, D. H., 19.6-218
Peterson, K. R., 19.7-254
Klein, M. M. et al., 19.7-342
Stewart, R. E., 19.9-265
Polar aerology
Gaigerov, S. S., 19.2-3
Polar auroras
Giorgi, M. et al., 19.11-547
Polar cap absorption
Driatskii, V. M., 19.1-369; 19.2-30
Leinbach, H., 19.2-372
Shirochkov, A. V., 19.3-399
Crary, J. H., 19.4-48

Pomerantz, M. A., 19.4-441
Reid, G. C. et al., 19.4-444
Harvey, G. A. et al., 19.8-639
Sauer, H. H., 19.9-602
Polar cap absorption–cosmic ray relationships
Hakura, Y., 19.3-425
Polar cap absorption–solar flare relationships
Castelli, J. P. et al., 19.2-482
Shirochkov, A. V., 19.3-399
Levitskii, L. S., 19.6-494
Polar cap absorption–sunspot relationships
Driatskii, V. M., 19.2-30
Polar cap auroras
Lassen, K., 19.2-401
Polar expeditions
Polar Record, 19.9-159
Morozov, S. T., 19.10-28
Polar flow ice
Merlivat, L. et al., 19.3-673
Polar geomagnetic field
Nishida, A. et al., 19.3-512
Polar geophysics
Scott Polar Res. Inst., Cambridge, Eng., 19.9-77
Polar heat-sinks
Lamb, H. H., 19.12-229
Polar hydrometeorology
Vangengeim, G. Ia. et al., 19.9-20
Polar ice studies
Scott Polar Res. Inst., Cambridge, Eng., 19.9-77
Polar ionosphere
Donley, J. L., 19.8-503
Nishida, A., 19.8-522
Polar ionospheric movements
Lebeau, A. et al., 19.10-542
Polar jet stream
Aldrich, J., 19.6-61
Polar magnetic disturbances
Zaitsev, A. N. et al., 19.4-460
Davis, T. N. et al., 19.5-485
Afonina, R. G. et al., 19.11-566
Matsushita, S., 19.11-570
Polar magnetic storms
Nikol'skii, A. P., 19.7-609
Polar magnetic substorms
Atkinson, G., 19.3-488
Jelly, D. et al., 19.4-554
Dungey, J. W., 19.9-611
Polar mesospheric oxygen variations
Maeda, K. et al., 19.9-282
Polar meteorology
Gaigerov, S. S., 19.2-3
Untersteiner, N., 19.4-56
Scott Polar Res. Inst., Cambridge, Eng., 19.9-77
Burdecki, F., 19.10-30
Symposium on Polar Met., Geneva, Sept. 5-9, 1966, 19.12-14
Polar path radio wave propagation
Lied, F., 19.7-6
Polar research
Polar Record, 19.9-159
Burdecki, F., 19.10-30
Kosack, H. P., 19.11-8
Polar seismology
Burdecki, F., 19.10-30
Polar Sq variations
Kawasaki, K. et al., 19.3-469
Polar stratosphere
Pybus, E. J. et al., 19.12-311
Polar stratospheric warming
Bekoriukov, V. I., 19.8-362
Gaigerov, S. S., 19.12-261
Polar vortex stability
Hirota, I., 19.7-279
Polar vortex structure
Theon, J. S. et al., 19.12-260
Polar vortexes
Riazanova, L. A. et al., 19.10-206
Wada, H. et al., 19.12-203
Polarimeters
Pellicori, S. F. et al., 19.1-475
Heath, D. F., 19.8-155
Polarimetric investigations of Mars
Pollack, J. B. et al., 19.10-687
Polarimetry
Egan, W. G. et al., 19.11-646
Polarization measurement techniques
Heath, D. F., 19.8-155
Polarization of chromospheric emission lines
Brueckner, G., 19.6-619
Polarization of comets
Matiagin, V. S. et al., 19.6-608
Polarization of dayglow Lyman alpha
Donahue, T. M., 19.3-366
Polarization of dust scattered light
Driving, A. Ia. et al., 19.2-328
Polarization of galactic radio emission
Cook, A. H., 19.6-577
Polarization of geomagnetic micropulsations
Heacock, R. R. et al., 19.3-479
Paulson, K. V., 19.10-619
Fanselau, G., 19.11-577
Polarization of hydromagnetic emissions
Gokhberg, M. et al., 19.3-478
Polarization of light
Reed, A. H. et al., 19.10-495
Polarization of light from clouds
Kattawar, G. W. et al., 19.12-453
Polarization of Moon
Pellicori, S. F. et al., 19.1-475
Avramchuk, V. V., 19.11-630
Polarization of radio waves
Pappert, R. A., 19.7-628
Soicher, H. et al., 19.11-604
Polarization of solar radio emissions
Kaufmann, P. et al., 19.6-575
Polarization of submarine illumination
Kaigorodov, M. N., 19.4-630
Polarization of twilight sky
Kohl, G., 19.6-462
Dietze, G., 19.6-466
Polarization of Venutian radiation
Sobolev, V. V., 19.11-648
Polarization of VLF emissions
Iwai, A. et al., 19.10-640
Pole movements
Hurley, P. M., 19.12-530
Polish literature
Gawecka, A. et al., 19.9-728
Polish oceanographic books
Majewski, A., 19.11-689
Pollen analysis
Ambach, W. et al., 19.5-342
Pollen analysis of lacustrine deposits
Colinvaux, P. A., 19.6-438
Pollen dispersal by wind
Chamberlain, A. C., 19.4-35
Pollen exchange ocean-atmosphere
Valencia, M. J., 19.4-683
Pollutant motions
Holleyman, J. B., 19.8-762
Polyethylene balloons
Alexander, H., 19.5-90
Masenkis, A. S. et al., 19.5-99
Polyethylene films
Kerr, A. D., 19.5-96
Polymer uses in marine research
Partington, R. G., 19.6-639
Polynya
Stonehouse, B., 19.1-32
Pond temperature
Tybout, R. A., 19.2-198
Pond water chemistry
Yamagata, N. et al., 19.9-821
Ponds
Watson, D. G. et al., 19.7-795
Poplar leaves
Gezalian, M. G., 19.9-470
Poplar sawflies
Tanno, K., 19.7-323
Popular astronomy
King, H. C., 19.1-25
Boischot, A., 19.7-33
Popular astronomy books
Michard, R., 19.7-682
Popular climatology
Cox, L. M. et al., 19.6-42

Popular geophysics
Boischot, A., 19.7-33
Popular geophysics textbooks
Dessens, H., 19.11-59
Popular hydrology books
U. S. Environ. Sci. Serv. Admin., 19.6-40
Popular meteorology
Helm, T., 19.2-22
Spitz, A. N., 19.2-23
Malacy, D. S., Jr., 19.3-12
Astapenko, P. D., 19.6-448
U. S. Environ. Sci. Serv. Admin., 19.7-291
Watts, A., 19.8-33
Dazur, W., 19.8-35
Korejs, Z., 19.10-185
Hunting Group Review, London, 19.11-60
Popular meteorology books
Craig, R. A., 19.6-39
Hellman, H., 19.8-32
Dessens, H., 19.11-59
Runge, H., 19.11-61
Popular meteorology handbooks
Liljequist, G. H., 19.7-29
Popular meteorology textbooks
Watts, A., 19.9-41
Popular oceanography
Clemons, E., 19.2-24
Stewart, H. B., Jr., 19.5-27
Dugan, J. et al., 19.8-31
Ericson, D. B. et al., 19.9-42
Popular oceanography books
Majewski, A., 19.11-689
Popular science books
Silkin, B. I., 19.8-34
Porous media permeability
Ellis, W. R. et al., 19.9-868
Portable towers
Duane, D. B. et al., 19.6-642
Positive ions in ionosphere
Horiuchi, G., 19.3-383
Postglacial sea level changes
Redfield, A. C., 19.5-642
Shephard, F. P. et al., 19.6-655
Potato blight forecasting
Grainger, J., 19.7-184
Potato field microclimatology
Liapina, R. S. et al., 19.4-41
Potato fields
Liapina, R. S., 19.4-42
Ipatov, V. I., 19.5-50
Potato planting
Krasnianskaia, V. P. et al., 19.8-50
Potential energy
Dutton, J. A. et al., 19.1-171
Pfeffer, R. L. et al., 19.2-169
Potential energy generation
Johnson, D. R., 19.6-255
Potential evaporation calculation
Fitzpatrick, E. A., 19.7-92
Potential evaporation data
Mueller, W., 19.8-410
Potential evaporation variations
Mueller, W., 19.8-410
Potential evapotranspiration
Decker, W. L., 19.11-427
Potential evapotranspiration calculation techniques
Cruff, R. W. et al., 19.3-267
Potential evapotranspiration calculations
Joint FAO/IAEA Div. of Atomic Energy in Food and Agric., 19.8-407
Ward, R. C., 19.9-816
Potential evapotranspiration data
Holland, D. J., 19.11-428
Potential evapotranspiration estimation
King, K. M., 19.1-280
Cruff, R. W. et al., 19.3-267
Jackson, R. D., 19.6-363
Potential evapotranspiration–plant distribution relationships
Major, J., 19.7-466
Potential gradient calculations from satellite orbits
Arnold, K., 19.11-597
Potential gradient measurements
Orikasa, K., 19.7-479
Bradley, W. E., 19.12-454
Potential gradient obervations
Gherzi, E. E., 19.2-329
Potential irrigation requirements
Fritschen, L. J. et al., 19.7-456
Potential temperature of sea water
Filippov, D. M. et al., 19.1-540
Potential vorticity calculation
Danielsen, E. F., 19.9-273
Potsdam Observatory
Skeib, G., 19.5-81
Poulter's index of summer weather
Love, D. M., 19.10-179
Poultry husbandry
Winn, P. N. et al., 19.3-41
Power lines
Chowdhuri, P. et al., 19.6-468
Power spectrum analysis
Manzoni, G., 19.3-445; 19.10-600
Power supply for automatic weather stations
Guennoc, H. et al., 19.4-120
Hasset, M., 19.4-121
Power supply for buoys
Majkrzak, C. P. et al., 19.9-746
Power systems
Woehr, F., 19.3-126
Prandtl numbers
Malkus, W. V. R. et al., 19.12-172
Pfeffer, R. L. et al., 19.12-175
Precipitable water calculations
Pullen, R. A., 19.9-472
Precipitable water data
Popovic, M., 19.8-397
Precipitable water–dew point relationships
Berkofsky, L., 19.3-260
Precipitable water measurement in lower troposphere
Thompson, A. H. et al., 19.9-355
Precipitation–altitude relationships
Zalikhanov, M. Ch., 19.10-441
Precipitation analysis
Drozdova, V. M. et al., 19.12-357
Magiricu, V., 19.12-359
Precipitation analysis techniques
Warburton, J. A. et al., 19.9-502, 503
Precipitation anomalies
Girs, A. A., 19.2-163
Iakovlev, B. A., 19.5-308
Precipitation calculations
Buikov, M. V. et al., 19.1-296
Besleaga, N. et al., 19.2-257
Chigrai, D. T., 19.4-109
Precipitation charts
Vorob'eva, E. V., 19.1-300
Precipitation cloud system studies
Arnason, G. et al., 19.9-497
Precipitation composition
Rutherford, G. K., 19.6-394
Fisher, D. W., 19.12-358
Precipitation containing foreign matter
Morgan, G., Jr., 19.2-303
Precipitation correlations
Buikov, M. V. et al., 19.1-296
Precipitation cycles
Peng, L., 19.4-263
Precipitation data
Green, C. R. et al., 19.4-336
Poland. Panstwowy Inst. Hydrol.-Meteorol., 19.7-121
Lebedev, A. N., 19.11-15
Precipitation data analysis
Czelnai, R. et al., 19.2-289
Trusov, I. I., 19.3-294
Green, C. R. et al., 19.4-336
Rainbird, A. F., 19.7-398
Weaver, C. R. et al., 19.7-400
Jarvis, E. C., 19.8-176
Nordoe, J. et al., 19.11-447
Precipitation deficit forecasting
Shishkov, V. G., 19.12-125
Precipitation detection
Singer, S. F. et al., 19.10-415

Precipitation–discharge relationships
  Banerji, S. et al., 19.7-840
Precipitation distribution
  Cry, G. W., 19.2-177
  Prikhot'ko, G. F. et al., 19.3-291
  Podoinitsyna, Z. N., 19.8-431
  Leonov, M. P., 19.12-360
Precipitation distribution analysis
  Budziszewska, E., 19.7-401
Precipitation distribution in mountain regions
  Kisilenko, A. A., 19.2-286
  Pogosian, Kh. P. et al., 19.3-298
  Fliri, F., 19.5-303
  Affronti, F., 19.5-318
Precipitation duration
  Ermini, V., 19.5-305
Precipitation effects on beans
  Giurova, M., 19.6-73
Precipitation effects on radioactivity
  Manolov, L. et al., 19.1-166
  Korenkov, I. P. et al., 19.11-289
Precipitation effects on vegetation
  Green, C. R. et al., 19.4-336
Precipitation estimation
  Rainbird, A. F., 19.7-398
Precipitation extremes
  Lauscher, F., 19.5-312
Precipitation–flood relationships
  Grard, R., 19.5-337
Precipitation fluctuations–atmospheric circulation relationships
  Battalov, F. Z., 19.11-12
Precipitation forecast evaluation
  Nikleva, S., 19.7-179
  Winkler, R. L., 19.12-136
Precipitation forecast verification
  Hughes, L. A., 19.4-158
  Dickey, W. W., 19.6-184
Precipitation forecasting
  Orlova, E. M. et al., 19.3-106
  Klein, W. H., 19.4-151
  Bachurina, A. A. et al., 19.5-147
Precipitation forecasting methods
  Doneaud, A. et al., 19.9-218
Precipitation forecasting techniques
  Sullivan, W. G., Jr. et al., 19.1-120
  Ratcliffe, R. A. S. et al., 19.5-150
  Russo, J. A., Jr., 19.6-171
  Jarvis, E. C., 19.8-176
Precipitation formation
  Harrington, E. L., 19.1-70
  Kisilenko, A. A., 19.2-286
  Brownscombe, J. L. et al., 19.4-341
  Sulakvelidze, G. K. et al., 19.5-11
  Srivastava, R. C., 19.6-387
  Merlivat, L. et al., 19.6-393
  Schaefer, V. J., 19.11-460
  Braham, R. R., Jr., 19.12-354
Precipitation frequencies
  Maede, H., 19.1-226
  Jorgensen, D. L., 19.9-509
Precipitation frequency distribution
  Fliri, F., 19.5-310
  Rakoczi, M., 19.7-415
Precipitation from tropical cyclones
  Sugg, A. L., 19.3-290
Precipitation gage comparisons
  Chigrai, D. T., 19.4-109
  Katsika, A. P., 19.9-120
Precipitation gage errors
  Golubev, V. S., 19.2-100
Precipitation gages
  Voronov, G. S., 19.5-132
  Morrissey, W. B., 19.7-155
Precipitation genesis
  Industrial Research, Beverly Shores, Ind., 19.11-253
Precipitation–ground water relationships
  Vodogretskii, V. E., 19.9-847
Precipitation–humidity relationships
  Grigor'eva, A. S., 19.1-275
Precipitation instruments comparison
  Labunskaia, L. S., 19.11-154
Precipitation interception
  Blake, G. J. et al., 19.6-410
Precipitation interception by forests
  Krecmer, V., 19.7-422
  Rogerson, T. L. et al., 19.7-423
  Zeleny, V., 19.10-424
Precipitation measurement techniques
  Podoinitsyna, Z. N., 19.8-431
  Katsika, A. P., 19.9-120
  Deleur, M. S., 19.9-514
  Ichimura, I. et al., 19.10-81
Precipitation measurement techniques at sea
  Shkoda, G. I., 19.12-68
Precipitation measurements
  Labunskaia, L. S., 19.11-154
Precipitation mechanics
  Lapcheva, V. F., 19.9-142
Precipitation microphysics
  Brownscombe, J. L. et al., 19.4-341
Precipitation models
  Donaldson, R. J., Jr. et al., 19.5-199
Precipitation modification
  Litvinov, I. V., 19.6-191
Precipitation networks
  Leonov, M. P., 19.12-360
Precipitation normal calculations
  Battalov, F. Z., 19.11-12
Precipitation normals
  Canfield, N. L., 19.11-451
Precipitation over lakes
  Popov, E. A., 19.8-432
Precipitation particle charges
  Krasnogorskaia, N. V. et al., 19.12-356
Precipitation particle size measurement techniques
  Krasnogorskaia, N. V. et al., 19.12-356
Precipitation patterns
  Feig, A. M., 19.11-450
  Leonov, M. P., 19.12-360
Precipitation physics
  Faith, L. E. et al., 19.6-391
  Lewinska, J., 19.10-431
  Braham, R. R., Jr., 19.12-354
Precipitation physics projects
  Crozier, C. L. et al., 19.11-232
Precipitation probability
  Curtiss, J. H., 19.3-128
  Balzer, K., 19.5-263
  Haines, D. A. et al., 19.6-398
  Gifford, R. O. et al., 19.7-403
  McWhorter, J. C. et al., 19.8-436
  Koppany, G., 19.9-226
  Rakoczi, F., 19.9-420
  Jorgensen, D. L., 19.9-509
Precipitation probability calculations
  Feyerherm, A. M. et al., 19.2-290
  Stidd, C. K., 19.12-352
Precipitation processes
  Neiburger, M., 19.8-205
Precipitation regime
  Spar, J. et al., 19.8-437
  Aleksandrian, G. A., 19.9-508
Precipitation regime–runoff relationships
  Kharchenko, S. I., 19.9-230
Precipitation–runoff relationships
  Roche, M., 19.6-392
  Diaz, G. et al., 19.7-396
  Chopra, S. D. et al., 19.8-185
  Skakal'skii, B. G., 19.10-793
Precipitation–soil moisture relationships
  Green, C. R. et al., 19.4-336
Precipitation–stream flow relationships
  Hanson, R. L., 19.1-592

Roschke, G., 19.7-799
Precipitation studies
Blackmer, R. H., Jr. et al., 19.3-76
Hershfield, D. M. et al., 19.4-338
Precipitation totalizers
Golubev, V. S., 19.2-100
Precipitation trends
Changnon, S. A., Jr., 19.5-307
Jorgensen, D. L., 19.9-509
Namias, J., 19.10-423
Spar, J., 19.12-373
Precipitation variability
Czelnai, R. et al., 19.2-289
Fliri, F., 19.5-310
Precipitation variations
Fliri, F., 19.5-303
Zingg, Th., 19.6-400
Precipitation water–cloud water relationship
Lyons, R. D., 19.12-347
Precipitation zones derived from satellite radiation measurements
Chekirda, A. Z. et al., 19.3-59
Prefrontal squall lines
Nozumi, Y. et al., 19.6-264
Pressure anomalies
Maklakova, N. A., 19.5-239
Shishkov, V. G., 19.12-125
Pressure changes
Sharov, Vl., 19.2-231
Pressure correlations
Maklakova, N. A., 19.5-239
Pressure–density correlations
Quiroz, R. S. et al., 19.3-137
Pressure distribution in oceans
Wennekens, M. P., 19.10-317
Pressure effects on cosmic rays
Efimov, N. N., 19.1-417
Kaminer, N. S., 19.4-482
Carmichael, H. et al., 19.5-444
Chin, F. K. et al., 19.6-519
Kangas, J. et al., 19.10-591
Marinelle, S., 19.12-520
Pressure effects on ice crystals
Nakamura, T., 19.11-767
Pressure effects on ice melting
Radd, F. J. et al., 19.12-774
Pressure effects on ocean currents
Mikhailov, Iu. D. et al., 19.12-263
Pressure effects on sea level
Mooers, C. N. K. et al., 19.6-319
Harvey, J. G., 19.10-751
Pressure effects on soil moisture movement
Norum, D. I. et al., 19.7-855
Pressure field analysis
Rudloff, W., 19.7-335
Pressure field calculations
Barat, J. et al., 19.1-239
Svetlova, T. P., 19.4-62
Pressure field forecasting
Nagurnyi, A. P., 19.10-174
Polozov, V. V., 19.10-175
Glagoleva, M. G. et al., 19.11-192
Titkos, E., 19.12-127
Pressure field investigations
Prostiakov, S. M., 19.9-417
Pressure field models
Rudloff, W., 19.7-335
Pressure fields
Riazanova, L. A. et al., 19.12-267
Pressure fluctuations
Walker, J. M., 19.12-264
Pressure gradient
Taljaard, J. J., 19.9-418
Pressure gradient variations
Wennekens, M. P., 19.10-317
Pressure instruments
Rink, J., 19.5-127
Khansuvarov, K. I., 19.8-123
Karpusha, V. E., 19.9-180
Lefcort, M. C., 19.10-138
Rolfe, R. C., 19.10-139
Pressure jump cloud patterns
Lyons, W. A., 19.5-298
Pressure measurements
Glass, R. I. et al., 19.3-92
Pressure microvariations
Mariners Weather Log, Wash., D.C., 19.4-142
Pressure oscillations
Reber, G., 19.8-369
Pressure reduction to sea level
Walker, J. M., 19.1-242; 19.12-264
Pressure sensor for radiosondes
Glass, R. I. et al., 19.3-92
Pressure-temperature correlations
Fedorova, A. M., 19.7-336
Bayer, K. et al., 19.8-463
Hay, R. F. M., 19.10-318
Riazanova, L. A. et al., 19.12-267
Pressure tendencies
Stekl, J., 19.4-145
Kagawa, H. et al., 19.8-166
Pressure topography maps
Kan, S. I. et al., 19.8-186
Pressure variations
Stolov, H. L. et al., 19.2-232
Faust, H., 19.10-460
Pressure wave–thunderstorm relationships
Bhartendu, –, 19.7-493
Pressure waves due to nuclear explosions
MacKinnon, R. F., 19.10-316
Pressure–wind correlations
Augulis, R. P., 19.11-183
Pressure–wind relationships
Moerth, H. T., 19.9-419
Primary cosmic ray composition
O'Dell, F. W. et al., 19.10-595
Ivanova, N. S. et al., 19.11-353
Primary cosmic ray electrons
Simnett, G. M., 19.4-499
Primary cosmic ray energy spectrum
Grigorov, N. L. et al., 19.1-418
Webber, W. R. et al., 19.4-501
Fan, C. Y. et al., 19.7-567
Primary cosmic ray intensity measurements
Charkhch'ian, A. N. et al., 19.8-553
Primary cosmic ray protons
Freier, P. S. et al., 19.12-518
Ormes, J. F. et al., 19.12-522
Primary cosmic ray variations
Fowler, P. H. et al., 19.7-570
Primary cosmic rays
Bertsch, D. L. et al., 19.2-421
Gagarin, Iu. F. et al., 19.3-423
Fody, S. A. et al., 19.8-557
Webber, W. R., 19.10-597
Probabilities
Marchenko, A. S., 19.3-35
Kartvelishvili, N. A., 19.9-9
Probability calculations
Strupczewski, W., 19.5-63
Jones, R. H., 19.10-86
Krylov, E. V. et al., 19.11-109
McCabe, J. T., 19.12-61
Probability forecasting
Bodolai, E., 19.12-114
Bryan, J. G., 19.12-115
Epstein, E. S., 19.12-116
Miller, R. G., 19.12-117
Roberts, H. V., 19.12-124
Probability forecasting evaluation
Hughes, L. A., 19.2-119
Murphy, A. H. et al., 19.2-120
Sanders, F., 19.2-121
Murphy, A. H. et al., 19.3-130
Hughes, L. A., 19.6-182
Winkler, R. L., 19.12-136
Probability precipitation forecasting
Dickey, W. W., 19.6-184
Epstein, E. S., 19.12-116
Roberts, H. V., 19.12-124
Winkler, R. L., 19.12-136
Probe techniques
Phillips, N. S., 19.9-134
Stuhlinger, E., 19.10-644
Prognostic chart interpretation
Loennqvist, O., 19.12-108
Progress in biometeorology
Am. Met. Soc. Study Group on Bioclimat., 19.9-545
Progress in glaciology
LaChapelle, E. R., 19.4-729

Progress in hydrology
- Kresser, W., 19.3-675
- Chow, V. T., 19.9-809

Progress in ionosphere research
- Matsushita, S., 19.4-433

Progress in meteorology
- Tuvdendorzh, D., 19.3-18
- Kalendov, A. A. et al., 19.3-22
- Fedorov, E. K., 19.3-25
- Hunting Group Review, London, 19.11-60

Progress in satellite research
- Widger, W. K., Jr., 19.4-34

Progress in weather control
- Yevdjevich, V. M., 19.7-199

Progress in weather forecasting
- Sawyer, J. S., 19.3-99
- Phillips, N. A., 19.4-148
- Sawyer, J. S., 19.5-141
- Vaeisaelae, V., 19.6-161
- Mason, B. J., 19.10-161

Progress reports
- Calif. Univ. Scripps Inst. of Oceanog., La Jolla, 19.6-637

Project Birds Eye
- U. S. Naval Oceanog. Off., 19.6-696; 19.8-748

Project Clambake
- Baynton, H. W., 19.5-148

Project Cold Cowl
- Appleman, H. S., 19.11-221

Project EOLE
- France. Met. Nat., 19.9-66

Project forecast forms
- U. S. Lake Survey, 19.9-214

Project forecasts
- Canada. Committee on Oceanog., 19.8-761

Project Hailswath
- Schleusener, R. A., 19.11-248

Project Harp
- Murphy, C. H. et al., 19.8-85

Project IRLS (Interrogation, Recording and Location Subsystem)
- Radiation Inc., Melbourne, Fla. Radiation Systems Div., 19.10-649

Project SCUD, New York Univ.
- Neyman, J. et al., 19.8-208
- Wells, J. M. et al., 19.8-215

Project Skywater
- Stinson, J. R., 19.11-251, 252

Project Stormfury
- Senn, H. V., 19.2-175
- American Meteor. Society, 19.3-132
- U. S. Weather Bureau, 19.4-169
- U. S. Environ. Sci. Serv. Admin., 19.6-271
- Gentry, R. C., 19.11-213

Project TREND
- Stroschein, L. A., 19.9-109

Project Whitetop
- Flueck, J. A., 19.11-236
- McCarthy, J., 19.11-241

Project Windy Acres
- U. S. Air Force. Cambridge Research Labs., 19.1-231

Propulsion systems
- Stuhlinger, E., 19.10-644

Proton diffusion in radiation belts
- Kavanagh, L. D., Jr., 19.3-495

Proton effects on sporadic E (Es)
- Baird, G. A., 19.9-572

Proton energy
- Green, A. E. S. et al., 19.5-560

Proton energy spectrum
- Kuck, G. A., 19.4-534

Proton flares
- Castelli, J. P. et al., 19.2-482
- Pinter, S., 19.3-473
- Levitskii, L. S., 19.6-494
- Svestka, Z. et al., 19.10-703
- Eliseeva, L. A., 19.11-679
- Levitskii, L. S., 19.12-579

Proton flux measurements
- Nakagawa, S., 19.3-528
- Armstrong, T. P. et al., 19.4-527
- Chase, L. M., 19.10-563

Proton gyro-effects in ionosphere
- King, J. W. et al., 19.2-366

Proton precipitation
- O'Brien, B. J., 19.1-93
- Evans, J. E. et al., 19.5-517

Proton whistlers
- Scarf, F. L. et al., 19.7-490

Protonosphere
- Van Zandt, T. E., 19.10-558

Protonosphere–ionosphere energy exchanges
- Evans, J. V., 19.9-289

Protonospheric heating
- Evans, J. V., 19.9-289

Protonospheric temperatures
- Evans, J. V., 19.9-289

Pseudoadiabatic lapse rate
- Pullen, R. A., 19.9-472

Psychrometer errors
- Konstantinov, A. R., 19.11-151

Psychrometer evaluation
- Weiss, B. D., 19.9-7

Psychrometers
- Greenspan, L. et al., 19.8-128

Psychrometric constant
- Kondo, J., 19.2-98

Psychrometric equations
- Barwick, A. J. et al., 19.7-264

Psychrometric measurement instruments
- Sonntag, D., 19.8-29

Public planetarium
- Moore, P., 19.7-636

Public relations
- Sewell, W. R. D., 19.10-181

Publication lists
- Woods Hole, Mass. Oceanographic Institution, 19.10-709

Pulsating radio sources
- Radhakrishnan, V. et al., 19.11-627

Punched card methods
- Suica, C., 19.1-61
- Dubrovina, L. S., 19.11-124
- Logvinov, K. T., 19.11-125, 139
- Guterman, I. G. et al., 19.11-377

Pyranometers
- Ross, V., 19.6-143

Pyrheliometric errors
- Kyle, T. G., 19.5-124

Q

Quantitative precipitation forecasting
- Mueller, W., 19.5-149
- Rose, M. F., 19.6-170
- Russo, J. A., Jr., 19.6-171
- Nikleva, S., 19.7-179
- Banerji, S. et al., 19.8-173
- Bunsch, Z., 19.8-175
- Moghe, D. N. et al., 19.8-177
- Lapteva, L. M., 19.9-227
- Klein, W. H., 19.12-122

Quantitative statistical climatology
- Griffiths, J., 19.12-421

Quarks in cosmic rays
- Garmire, G. et al., 19.8-558

Quartz magnetic variometers
- Bobrov, V. N. et al., 19.2-446
- Bobrov, V. N., 19.5-462

Quasar emission lines
- Veron, P., 19.6-564

Quasi–biennial stratospheric wind variations
- Wallace, J. M. et al., 19.7-281

Quasi–biennial variations
- Riazanova, L. A., 19.8-361

Quasi–geostrophic forecasting models
- Kim, V. F., 19.12-118

Quasi–stellar objects
- McCrea, W. H., 19.11-625

Quaternary climates
- Tochilenko, G. Ia., 19.2-310
- Van Andel, T. H. et al., 19.2-311
- Washbourn, C. K., 19.5-344
- Internatl. Assoc. for Quaternary Res., Sept. 1965, 19.6-27

Quaternary glaciation
- Cox, A., 19.11-488

Quaternary oceanography
Internatl. Assoc. for Quaternary Res., Sept. 1965, 19.6-27
Quaternary period
Internatl. Assoc. for Quaternary Res., Sept. 1965, 19.6-27
Quaternary sea levels
Van Andel, T. H. et al., 19.2-311
Quaternary stratigraphy
Internatl. Assoc. for Quaternary Res., Sept. 1965, 19.6-27
Quiet day magnetic variations
Troshichev, O. A., 19.3-466
Quiet ionosphere
Van Zandt, T. E., 19.10-558
Quiet photosphere structure
Conf. on the Struct. of the Quiet Photosphere, Holland, 1967, 19.9-33

R

ROBIN falling balloon
Engler, N. A., 19.7-103
Radar aids to navigation
Harrison, G., 19.10-90
U. S. Fed. Aviation Admin. Acad., 19.10-150
Radar analysis of frontal systems
Rider, G. C. et al., 19.9-144
Radar analysis of gustiness
Gorelik, A. G., 19.11-384
Radar analysis of hailstorms
Ko, J. S. et al., 19.6-425
Radar analysis of precipitation
Austin, P. M., 19.7-111
Radar analysis of storms
Austin, P. M., 19.7-111
Radar angels
Gerrish, H. P., 19.3-292
Naito, K., 19.6-109
Hay, D. R., 19.9-141
Ottersten, H. et al., 19.10-92
Radar angels—sea breeze relationships
Simpson, J. E., 19.1-260
Radar applications to forecasting
Fantuzi, A., 19.2-72
Radar astronomy
Eshleman, V. R., 19.2-485
Hagfors, T. et al., 19.10-667
Evans, J. V. et al., 19.12-08
Radar astronomy signal processing
Price, R., 19.12-581
Radar astronomy techniques
Rogers, T. F., 19.11-103
Hagfors, T., 19.12-577
Radar attenuation
Austin, P. M., 19.7-111
Radar backscatter echoes from ionosphere
U. S. Inst. for Telecom. Sci. & Aeron., 19.6-507
Radar backscatter from lunar surface
Beckmann, P., 19.7-653
Betinis, E. J., 19.7-654
Radar balloon tracking
Kubinski, S. F., 19.3-54
Czepyha, C. G. R., 19.5-93
Radar climatology
Kulshrestha, S. M. et al., 19.4-78
Radar cloud physics studies
Godard, S. et al., 19.5-73
Abshaev, M. T. et al., 19.9-139
Radar convective storm measurement techniques
Esterbrook, C. C., 19.2-71
Radar convective storm measurements
Denis, A. S. et al., 19.10-271
Radar echo analysis
Amersdorffer, R., 19.7-110
Radar echo interpretation
Gorelik, A. G., 19.9-199
U. S. Fed. Aviation Admin. Acad., 19.10-150
Radar echoes
Leray, J., 19.11-119
Radar echoes from atmospheric inhomogeneities
Rider, G. C. et al., 19.9-144
Radar echoes from auroras
Leadabrand, R. L. et al., 19.2-402
Unwin, R. S., 19.4-466
Newell, R. E. et al., 19.11-542
Radar echoes from clear atmosphere
Atlas, D. et al., 19.6-230
Radar echoes from clouds
Harrington, E. L., 19.1-70
Abshaev, M. T. et al., 19.9-140
Berson, F. A., 19.12-65
Radar echoes from hail
Abshaev, M. T. et al., 19.9-140
Radar echoes from ionosphere
Flock, W. L. et al., 19.5-403
Balsley, B. B., 19.7-351
Sato, T., 19.8-528
Radar echoes from meteor trails
Barnes, A. A., Jr., 19.4-65
Nowak, R., 19.12-07
Radar echoes from meteors
McIntosh, B. A., 19.3-548
Lazarev, R. G., 19.4-580
Bel'kovich, O. I., 19.8-661
Hawkins, G. S. et al., 19.10-668
Radar echoes from Moon
Yoh, P., 19.4-537
Heckmann, P., 19.7-653
Betinis, E. J., 19.7-654
Thomson, J. H. et al., 19.8-645
Hagfors, T. et al., 19.10-667; 19.12-584
Radar echoes from planets
Easterling, M. et al., 19.8-643
Pettengill, G. H., 19.12-580
Radar echoes from severe local storms
Kulshrestha, S. M. et al., 19.4-78
Radar echoes from squall lines
Kundu, M. M. et al., 19.4-79
Radar echoes from Sun
James, J. C., 19.12-578
Radar echoes from turbulence
Gorelik, A. G., 19.11-384
Radar echoes from Venus
Aleksandrov, Iu. N. et al., 19.5-552
Radar elevation angle corrections
Bean, B. R. et al., 19.11-281
Radar equipment
Benton, D., 19.1-110
Maanders, E. J., 19.5-75
Jones, D. M. A. et al., 19.6-108
Andrews, G. F., 19.7-159
Leith, E. N. et al., 19.9-143
Gorelik, A. G., 19.9-199
Joss, J., 19.10-148
Radar hail studies
Ko, J. S. et al., 19.6-425
Rinehart, R. E. et al., 19.11-120
Radar hailstorm studies
Sharma, B. L., 19.4-360
Radar hurricane studies
Senn, H. V., 19.2-175
Radar hydrology
Kulshrestha, S. M., 19.7-112
Radar ionospheric investigations
Yngvesson, K. O. et al., 19.4-459
Radar ionospheric soundings
U. S. Inst. for Telecom. Sci. & Aeron., 19.6-507
Mahajan, K. K. et al., 19.7-522
Radar measurement techniques
Dayton, D. S., 19.5-72
Radar meteorological studies
Jones, D. M. A. et al., 19.6-108
Radar meteorology
U. S. Office of Federal Coordinator for Meteorological Services and Supporting Research, 19.4-81
Stepanenko, V. D., 19.6-6
U. S. Weather Bureau, 19.7-115

Radar meteorology development
Matur, L. S., 19.9-138
Radar monsoon rain squall observation
Narayanan, V., 19.7-114
Radar networks
U. S. Office of Federal Coordinator for Meteorological Services and Supporting Research, 19.4-81
Radar observation of clear air turbulence
Hicks, J. J. et al., 19.2-236
Stephens, J. J. et al., 19.2-239
Radar observation of cloud seeding
Battan, L. J., 19.8-202
Radar observation of clouds
Davis, L. G., 19.3-282
Radar observation of convective clouds
Golden, J. H., 19.6-384
Lapcheva, V. F., 19.9-142
Radar observation of convective rain
Woodley, W. L., 19.10-94
Radar observation of electron content
Hagfors, T., 19.3-506
Radar observation of gravitational waves
Hicks, J. J. et al., 19.3-61
Radar observation of meteor trails
Maanders, E. J., 19.5-75
Radar observation of meteors
Symposium on Meteor Orbits and Dust, Cambridge, Mass., Aug. 9-13, 1965, 19.1-20
Bairachenko, I. V. et al., 19.2-487
Keay, C. S. L., 19.5-553
Lebedinets, V. N. et al., 19.11-629
Radar observation of monsoon motion
Eifuku, Y. et al., 19.2-245
Radar observation of Moon
Holdsworth, D. W. et al., 19.11-628
Shapiro, A. et al., 19.11-635
Radar observation of planetary radius
Melbourne, W. G. et al., 19.10-663
Ash, M. E. et al., 19.10-682
Radar observation of precipitation
Kulshrestha, S. M., 19.7-112
Lapcheva, V. F., 19.9-142
Radar observation of rainbands
Nozumi, Y. et al., 19.6-264
Radar observation of raindrops
Gorelik, A. G. et al., 19.1-307
Radar observation of rainstorm
Huff, F. A., 19.10-91
Radar observation of sea waves
Badgett, H. H., 19.9-754
Radar observation of showers
Kawecki, A., 19.7-407
Radar observation of solar corona
Brandt, J. C., 19.1-499
Radar observation of storms
Donaldson, R. J., Jr. et al., 19.5-199
Merritt, L. P., 19.8-147
Radar observation of Sun
James, J. C., 19.12-578
Radar observation of thunderclouds
Harrington, E. L., 19.10-272
Radar observation of thunderstorms
Subramanian, D. V. et al., 19.4-80
Radar observation of typhoons
Bogin, H., 19.10-253
Radar observation of Venus
Pollack, J. B. et al., 19.2-499
Radar performance
Nathanson, F. E. et al., 19.6-110
Merritt, L. P., 19.8-147
Radar precipitation detection
Paquet, E. L., 19.1-236
Radar precipitation echoes
Blackmer, R. H., Jr. et al., 19.3-76
Nathanson, F. E. et al., 19.6-110
Radar precipitation intensity measurement techniques
Kawecki, A., 19.7-407
Joss, J., 19.10-148
Radar precipitation measurement techniques
Jones, D. M. A. et al., 19.6-108
Shkoda, G. I., 19.12-68
Radar precipitation movement studies
Browning, K. A. et al., 19.3-60
Radar precipitation studies
Abshaev, M. T. et al., 19.9-139
Foote, G. B., 19.12-355
Radar propagation
Hiser, H. W. et al., 19.2-73
Radar propagation anomalies
Gjessing, D. T., 19.8-272
Radar raindrop measurement techniques
LaGrone, A. H., 19.7-113
Radar raindrop size observation
Du Toit, P. S., 19.3-301
Radar rainfall intensity measurement techniques
Zabolotskaia, T. N. et al., 19.2-74
LaGrone, A. H., 19.7-113
Moszkowicz, S., 19.7-409
Strauch, E., 19.7-412
Stout, G. E. et al., 19.12-365
Radar rainfall measurement techniques
Mueller, E. A. et al., 19.5-76
Litvinov, I. V., 19.5-300
Radar receivers
Godard, S. et al., 19.5-73
Gorelik, A. G. et al., 19.9-200
Radar reflection from Moon
Krupenio, N. N., 19.4-572
Radar reflection from satellites
Goodman, J. M., 19.3-382
Radar reflections from rain
Zabolotskaia, T. N. et al., 19.2-74
Mueller, E. A. et al., 19.4-348
Litvinov, I. V., 19.5-300
Moszkowicz, S., 19.7-409
Strauch, E., 19.7-412
Stout, G. E. et al., 19.12-365
Radar reflectivity
Paulsen, W. H., 19.10-149
Radar scatter from rough surfaces
Hagfors, T., 19.12-577
Radar sea clutter
Hiser, H. W. et al., 19.2-73
Radar signal intensities
Lhermitte, R. M., 19.12-67
Radar storm observation
Charba, J. P. et al., 19.10-261
Radar studies of planets
Hagfors, T. et al., 19.10-667
Pettengill, G. H., 19.12-580
Radar thunderstorm photographs
Harrington, E. L., 19.10-272
Radar thunderstorm studies
Ghosh, B. P., 19.6-107
Radar tornado tracking
Hiser, H. W., 19.10-263
Prosser, N. E., 19.10-264
Radar tracking
Murray, W. A. S., 19.4-565
Walczewski, J., 19.6-106
Radar turbulence measurement techniques
Plunkett, A. B., 19.8-376
Radar vertical motion measurements
Battan, L. J. et al., 19.5-270
Radar wave scattering
Baron, M. et al., 19.2-61
Lhermitte, R. M., 19.12-67
Radar weather instrumentation
Berg, D. S. et al., 19.12-94
Radar weather studies
Kessler, E., 19.1-13

Radar wind measurement techniques
  Armijo, L., 19.4-76
  Lob, W. H. et al., 19.5-74
  Lob, W. H., 19.7-353
Radar wind measurements
  Gorelik, A. G. et al., 19.4-73
  Wexler, R. et al., 19.5-78
Radial diffusion coefficient
  Newkirk, L. L. et al., 19.7-480
Radial velocities
  Gopasiuk, S. I., 19.12-619
Radial velocity measurement techniques
  Ikhsanov, R. N., 19.9-701
Radial velocity of solar atmosphere
  Ikhsanov, R. N., 19.9-701
Radiance of scattered light from haze
  Kattawar, G. W. et al., 19.12-453
Radiant energy in the sea
  Karabsheva, E. I. et al., 19.12-695
Radiant energy measurement techniques
  Karabasheva, E. I. et al., 19.12-695
Radiant energy transfer
  Shved, G. M., 19.7-302
Radiation absorption by ice
  Shesgerikov, N. P., 19.4-255
Radiation at sea surfaces
  Avaste, O. A., 19.7-309
Radiation attenuation
  Miller, D. E., 19.5-221
Radiation balance
  Viswanadham, Y., 19.7-261
Radiation balance calculations
  Ovchinnikov, L. F., 19.8-82
  Tsitsenko, G. V., 19.10-287
Radiation balance charts
  Moeller, F., 19.1-203
  Efimova, N. A., 19.10-283
  Zillman, J. W., 19.12-233
Radiation balance data
  Berliand, T. G. et al., 19.10-281
  Raschke, E., 19.11-337
  Chernigovskii, N. T., 19.12-223
Radiation balance flux
  Andritoiu, N., 19.8-316
Radiation balance in gray atmosphere
  Wildt, R. et al., 19.9-358
Radiation balance measurements
  Hinzpeter, H., 19.1-201
  Smolen, F. et al., 19.6-286
Radiation balance of a moist surface
  Efimova, N. A., 19.10-283
Radiation balance of forests
  Bagrova, G. M., 19.2-187
  Rauner, Iu. L. et al., 19.12-220
Radiation balance of glaciers
  Hoinkes, H. et al., 19.5-210
  Schoenbaechler, M., 19.5-213
  Leningrad Univ., 19.11-20
Radiation balance of glass windows
  Tsitsenko, G. V., 19.10-287
Radiation balance of human body
  Tsitsenko, G. V., 19.9-356
Radiation balance of mountain regions
  Adamenko, V. N., 19.10-278
Radiation balance of oceans
  Strokina, L. A., 19.9-368
Radiation balance of reservoirs
  Myl'nikova, A. Ia., 19.1-204
Radiation balance of walls
  Tsitsenko, G. V., 19.10-287
Radiation balance over plant cover
  Rauner, Iu. L. et al., 19.5-212
Radiation balance over steppe vegetation
  Zhirkov, K. F., 19.9-369
Radiation balance over water surfaces
  Hinzpeter, H., 19.1-201
Radiation balance–total evaporation relationships
  Ogneva, T. A., 19.10-397
Radiation balance variations
  Borzenkova, I. I., 19.9-359, 360
  Kopanov, I. D., 19.12-228
Radiation belt currents
  Webb, W. L., 19.10-497
Radiation belt effects on optical instruments
  Wolff, C., 19.2-472
Radiation belt electron diffusion
  Theodoridis, G. C. et al., 19.3-498
  Paolini, F. R. et al., 19.10-626
Radiation belt electron distribution
  Owens, H. D. et al., 19.4-525
Radiation belt electron energy spectra
  Paolini, F. R. et al., 19.2-471
  Savun, O. I. et al., 19.5-511
  Paolini, F. R. et al., 19.10-626
Radiation belt electron flux
  Fritz, T. A., 19.10-5
  Konradi, A., 19.10-623
  Kuck, G. A., 19.10-624
Radiation belt electron intensities
  Owens, H. D. et al., 19.4-525
  Savun, O. I. et al., 19.5-511
Radiation belt electrons
  McDiarmid, I. B. et al., 19.6-541
  Imhof, W. L., 19.12-551
Radiation belt–geomagnetic field relationships
  Vernov, S. N. et al., 19.1-445
  Lindstrom, P. J. et al., 19.10-610
Radiation belt–geomagnetic relationships
  Freeman, J. W., Jr., 19.2-470
  Jelly, D. et al., 19.4-554
  McDiarmid, I. B. et al., 19.6-541
  Vernov, S. N. et al., 19.8-594
Radiation belt ions
  Frank, L. A. et al., 19.6-539
Radiation belt–Lyman alpha emission relationships
  Kondo, Y. et al., 19.4-474
Radiation belt–magnetic storm relationships
  Brown, W. L. et al., 19.4-526
  Konradi, A., 19.10-623
  Akasofu, S. I., 19.12-550
Radiation belt particle motion
  Ershkovich, A. I. et al., 19.4-530
Radiation belt proton flux
  Konradi, A., 19.10-623
  Kuck, G. A., 19.10-624
Radiation belt protons
  Frank, L. A. et al., 19.6-539
Radiation belts
  Kondo, I., 19.2-434
  Kern, J. W., 19.11-588
Radiation bibliographies
  Anderson, R. et al., 19.10-280
Radiation charts
  Turner, H., 19.5-216
  Woerner, H., 19.6-290
Radiation climate
  Anderson, M. C., 19.2-89
  Venkataraman, S. et al., 19.4-246
Radiation climate of fields
  Goisa, N. I. et al., 19.10-284
Radiation climatology
  Berliand, T. G., 19.1-200
  Dalrymple, P. C. et al., 19.4-241
Radiation diagrams
  Riblet, J., 19.5-215
Radiation dosimetry of astronauts
  Grigor'ev, Iu. G. et al., 19.7-50
  Higgins, P. W. et al., 19.7-51
  Warren, C. S. et al., 19.7-52
  Haffner, J. W., 19.8-8
Radiation effects on buildings
  Khairullin, K. Sh., 19.12-227
Radiation effects on man
  Gregorczuk, M., 19.8-317

Radiation effects on plants
Coombe, D. E., 19.2-190
Hughes, A. P., 19.2-194
Rackham, O., 19.2-197
Shul'gin, I. A., 19.6-292
Tooming, Kh. et al., 19.8-322
Radiation effects on sound waves
Stein, R. F. et al., 19.4-400
Radiation effects on surface air temperature
Dmitriev, A. A. et al., 19.9-224
Radiation effects on upper atmosphere
Murgatroyd, R. J., 19.8-320
Fedele, D. et al., 19.11-275
Radiation effects on winter wheat
Sakali, L. I. et al., 19.9-354
Radiation energy balance
Garnier, B. J., 19.10-468
Radiation equilibrium temperature of air
Gebhart, R., 19.7-300
Radiation error of radiosondes
Vaeisaelae, V., 19.2-103
Arbuzova, V. N. et al., 19.9-172
Vaeisaelae, V., 19.10-147
Radiation flux
Avaste, O. A., 19.7-309
Radiation flux from solar flare nuclear reactions
Lingenfelter, R. E., 19.11-681
Radiation fog
Wright, W. B. et al., 19.7-181
Radiation fog forecasting
Adamy, L., 19.1-121
Radition fog formation
Myers, J. N., 19.1-49
Radiation from Earth
Kondrat'ev, K. I. et al., 19.2-11
Radiation from sea surfaces
Girdiuk, G. V. et al., 19.1-211
Laevastu, T., 19.2-92
Timofeev, N. A., 19.4-252
Radiation hazard range
Burrell, M. O. et al., 19.10-52
Radiation hazards during space flights
Burrell, M. O. et al., 19.10-52
Radiation hazards in space
Haffner, J. W., 19.8-8
Curtis, S. B. et al., 19.8-555
Radiation heat exchange
Siegel, R. et al., 19.11-340
Radiation heating and cooling
Murgatroyd, R. J., 19.8-320
Radiation instruments
Blackwell, M. J., 19.2-189
Collingbourne, R. H., 19.2-191
Dalrymple, P. C. et al., 19.4-241
Drummond, A. J., 19.6-141
Aleksandrov, V. S., 19.8-118
Anderson, R. et al., 19.10-280
Radiation intensity–carbon dioxide fixation relationships
Inoue, E. et al., 19.9-257
Radiation intensity–precipitation regime relationships
Schuepp, W., 19.12-237
Radiation measurement during eclipse
Sastri, V. D. P., 19.10-294
Radiation measurements at sea
Girdiuk, G. V., 19.1-101
Pivovarov, A. A. et al., 19.1-102
Radiation meteorology
Blackwell, M. J., 19.2-189
Collingbourne, R. H., 19.2-191
Radiation nomograms
Kostianoi, G. N., 19.9-352
Radiation on mountain slopes
Borzenkova, I. I., 19.10-282
Radiation on vertical surfaces
Pivovarova, Z. I., 19.9-367; 19.10-290
Radiation patterns
Swift, C. T., 19.11-105
Radiation patterns over tropical cyclone
Van der Ham, C. J., 19.9-357
Radiation penetration in ice
Shesterikov, N. P., 19.2-213
Radiation penetration in sea ice
Waller, G. et al., 19.12-232
Radiation processes in the atmosphere
Gille, J. C., 19.3-202
Radiation regime
Berliand, T. G., 19.1-200
Fovinkel', E. et al., 19.4-254
Tsutskiridze, Ia. A., 19.8-9
Kriester, B., 19.11-336
Serra, A. B., 19.11-339
Andritoiu, N. et al., 19.12-221
Diaconescu, I. Gh., 19.12-224
Radiation regime of plant cover
Ross, Iu. et al., 19.8-321
Radiation regions
Bellman, R. et al., 19.4-253
Radiation research
Howard, J. N. et al., 19.4-242
Anderson, R. et al., 19.10-280
Radiation scattering
Livshits, G. Sh. et al., 19.9-381
Perel'man, A. Ia., 19.9-382
Radiation scattering by clouds
Gutshabash, S. D., 19.7-310
Radiation thermometers
Malevskii-Malevich, S. P., 19.1-99
Radiation transmission computations
Armstrong, B. H., 19.7-308
Radiation under trees
Bagrova, G. M., 19.2-187
Schomaker, C. E., 19.7-314
Radiation variations
Farkas, O. et al., 19.12-225
Radiation zones
Takao, K. et al., 19.12-537
Radiational cooling
Cooley, J. R., 19.1-210
Green, J. S. A., 19.3-207
Timanovskaia, R. G. et al., 19.10-286
Radiational cooling effects
Danard, M. B., 19.8-168
Radiational heat inflow
Belov, P. N. et al., 19.4-240
Radiational heating
Tybout, R. A., 19.2-198
Gierasch, P. et al., 19.3-561
Avaste, O. A., 19.7-309
Timanovskaia, R. G. et al., 19.10-286
Radiational heating and cooling
Feigel'son, E. M., 19.1-292
Drayson, S. R., 19.8-337
Stewart, R. W., 19.12-231
Radiational temperature
Zhvalev, V. F. et al., 19.1-220
Radiational temperature change
Pivovarov, A. A., 19.9-392
Timanovskaia, R. G. et al., 19.10-286
Radiational temperature measurement techniques
Futran, S., 19.6-96
Gaevskii, V. L., 19.8-114
Radiative association processes
Swider, W., Jr., 19.7-536
Radiative equilibrium
Gierasch, P. et al., 19.3-561
Radiative flux divergence
Green, J. S. A., 19.3-207
Radiative heat influx
Berkovich, L. V., 19.3-161
Radiative heating calculations
Shved, G. M., 19.7-303, 304
Walshaw, C. D., 19.8-323
Radiative heating of the stratosphere
Wallace, J. M., 19.1-173
Radiative phenomena
Goulard, R., 19.8-629
Radiative transfer
Russman, I. B., 19.1-209
Lenoir, W. B., 19.3-145
Green, J. S. A., 19.3-207
Howard, J. N. et al., 19.4-242
Bellman, R. et al., 19.4-253
Rybicki, G. B., 19.8-692
Sekera, Z., 19.9-378
Radiative transfer calculations
Shved, G. M., 19.7-303

Radiative transfer in planetary atmospheres
Stewart, R. W., 19.12-231
Radiative transfer studies
Shved, G. M., 19.7-302
Radiative transfer theories
Tal, A. A., 19.5-188
Radio antenna impedance in ionosphere
Kamada, T. et al., 19.10-536
Radio antenna radiation
Spies, K. P. et al., 19.3-45
Radio antenna radiation pattern forecasting
Liepa, V. V., 19.6-181
Radio antenna radiation patterns
Ma, M. T. et al., 19.6-90
Liepa, V. V., 19.6-181
Colavito, C., 19.8-76
Radio astronomy
Findlay, J. W., 19.6-572
Ginzburg, V. L., 19.7-30
Guidice, D. A., 19.8-635
Internatl. Sci. Radio Union, 15th, Munich, 1966, 19.9-31
Piddington, J. H. et al., 19.9-669
Radio Astronomy Explorer (RAE)
Findlay, J. W., 19.6-572
Radio astronomy instruments
Ehrenspeck, H. W., 19.6-571
Radio astronomy observations
Harrington, J. V. et al., 19.9-670
Moffet, A. T. et al., 19.11-626
Radhakrishnan, V. et al., 19.11-627
Radio astronomy surveys
Yates, K. W. et al., 19.5-544
Radio aurora
Lang-Hesse, G., 19.2-400
Ecklund, W. L. et al., 19.3-405
Unwin, R. S. et al., 19.6-514
Gloede, P. et al., 19.10-524
Gadsden, M., 19.10-573
Unwin, R. S., 19.10-578
Radio brightness temperature effects on solar flare prediction
Reilly, A. E. et al., 19.10-696
Radio climatology
Kulshrestha, S. M. et al., 19.4-199
Srivastava, H. N., 19.4-201
Kulshrestha, S. M. et al., 19.6-231
Radio communication
Lied, F., 19.7-6
Radio communication systems
Powell, C. et al., 19.6-640
Gray, C. H., 19.8-790
Radio echoes from ionosphere
Essex, E. A. et al., 19.12-66
Radio echoes from meteor trails
Walker, J. C. G., 19.1-473
Triskova, L., 19.6-579
Radio electronics
Internatl. Sci. Radio Union, 15th, Munich, 1966, 19.9-31
Radio emission from clouds
Sartor, J. D., 19.6-470
Radio emission from cosmic rays
Charman, W. N., 19.1-352
Jelley, J. V. et al., 19.2-430
Charman, W. N., 19.6-518
Radio emission from extensive air showers
Fegan, D. J. et al., 19.7-569
Radio emission from galaxy
Annand, K. C. et al., 19.5-550
Cook, A. H., 19.6-577
Yates, K. W., 19.11-621
Radio emission from Jupiter
Dulk, G. A., 19.1-471
Warwick, J. W., 19.1-472
Davies, R. D. et al., 19.3-540
Rose, W. K., 19.3-541
Barber, D., 19.3-544
Dickel, J. R., 19.3-545
Douglas, J. N., 19.3-546
Smith, A. G. et al., 19.3-547
Gulkis, S. et al., 19.3-566
Hide, R., 19.3-567
Dulk, G. et al., 19.4-570
Slee, O. B. et al., 19.5-549
Roberts, J. A. et al., 19.7-649
Tiainen, P. O., 19.8-642
Jastrow, R. et al., 19.8-660
Radio emission from Mars
Davies, R. D. et al., 19.3-540
Radio emission from Mercury
Cary, B., 19.2-481
Radio emission from Moon
Alekseev, V. A. et al., 19.5-548
Copeland, J., 19.6-593
Radio emission from nebulae
McCarroll, R. et al., 19.12-573
Radio emission from nuclear explosions
Gilinsky, V. et al., 19.4-49
Radio emission from planets
Kalaghan, P. M. et al., 19.1-466
Harrington, J. V. et al., 19.9-670
Burns, J. A., 19.10-664
Radio emission from radiation belts
Harvey, C. C., 19.6-540
Radio emission from Saturn
Davies, R. D. et al., 19.3-540
Rose, W. K., 19.3-541
Radio emission from Scorpio X-1
Andrew, B. H. et al., 19.11-622
Radio emission from Uranus
Low, F. J., 19.3-573
Radio emission from Venus
Pollack, J. B. et al., 19.2-499
Davis, R. D. et al., 19.3-540
Drake, F. D., 19.3-543
Lebedinskii, A. I. et al., 19.3-557
Radio emission from Vulpecula
Drake, F. D., 19.11-623
Radio emission sources
Skobel'tsyn, D. V., 19.4-10
Radio emission spectra
Getmantsev, G. G. et al., 19.10-657
Radio emission theories
Charman, W. N., 19.6-518
Lacombe, C., 19.10-540
Radio engineering
McIntosh, R. E., 19.12-46
Radio equipment
Hause, L. G. et al., 19.6-88
Radio fading
Anastassiades, M. et al., 19.2-60
Hause, L. G. et al., 19.6-88
Internatl. Radio Consultative Comm., 19.8-68, 242, 507
Radio fading distribution
Jones, D. et al., 19.12-491
Radio field strength calculations
Internatl. Radio Consultative Comm., 19.8-72
Radio frequency allocations
Snodgrass, J. M., 19.8-714
Radio frequency radiation
Storey, O. et al, 19.9-658
Radio interferometers
Fatum, G. A. et al., 19.11-104
Radio investigation of ionosphere
Chytil, B., 19.1-367
David, D., 19.1-368
Misiura, V. A. et al., 19.1-377
Namazoo, S. A. et al., 19.1-379
Nitzsche, P., 19.1-381
Serafimov, K. B. et al., 19.1-387
Bykov, Iu. V. et al., 19.2-343
Vasil'ev, G. V., 19.2-385
Mechtly, E. A. et al., 19.3-395
Davies, K., 19.4-413
Weinstock, J., 19.4-457
Surtees, W. J., 19.5-425
Jean, A. G. et al., 19.6-487
Doherty, R. H., 19.7-501
Internatl. Radio Consultative Comm., 19.8-508
Lincoln, J. V., 19.8-518
Bain, W. C. et al., 19.10-511
Carru, H. et al., 19.10-520
Grad, R. J. L., 19.10-526
Petit, M., 19.10-546
Dieminger, W., 19.11-280

Radio isotopes in cosmic dust
Lal, D. et al., 19.7-574
Radio location techniques
Sychra, J., 19.11-121
Radio meteorology
Godard, S. et al., 19.5-73
Radio meteorology investigations
Ottersten, H. et al., 19.10-92
Gjessing, D. T., 19.10-212
Misme, P., 19.10-213
Radio navigation systems
Gierhart, G. D. et al., 19.11-101
Radio noise
Vasileva, S., 19.3-374
Internatl. Sci. Radio Union, 15th, Munich, 1966, 19.9-30
Radio noise forecasting
Vasileva, S., 19.3-374
Radio noise from ionosphere
Harvey, C. C., 19.6-540
Lacombe, C., 19.10-540
Iversen, I. B. et al., 19.10-639
Radio noise in magnetosphere
Bauer, S. J. et al., 19.12-543
Radio noise storms
Levitskii, L. S., 19.12-579
Radio observation techniques
Rawer, K. et al., 19.5-9
Radio observations of meteors
Simek, M., 19.3-575
Nilsson, C. S. et al., 19.10-691
Radio propagation in ice
Jiracek, G. R., 19.10-769
Radio rain gages
Mani, A., 19.9-188
Radio refractive index
Senn, H. V., 19.2-175
Kulshrestha, S. M. et al., 19.4-199
Bean, B. R. et al., 19.8-271
Radio refractive index determination
Hall, M. P. M. et al., 19.10-141
Radio refractive index distribution
Kulshrestha, S. M. et al., 19.6-231
Radio refractive index fluctuations
Lane, J. A., 19.9-292
Radio refractive index measurement techniques
Lane, J. A., 19.9-292
Radio refractive index spectra
Stephens, J. J. et al., 19.2-239
Bean, B. R. et al., 19.9-137
Straiton, A. W. et al., 19.12-161
Radio refractive index variations
Bull, G., 19.7-87
Straiton, A. W. et al., 19.12-161
Radio-relay systems
Internatl. Radio Consultative Comm., 19.8-68
Radio science conferences
Internatl. Sci. Radio Union, 15th, Munich, 1966, 19.9-30, 31
Radio signal phase variations
Buckmaster, H. A. et al., 19.11-99
Bean, B. R. et al., 19.11-281
Kravtsov, Iu. A., 19.12-52
Radio signal predictability
Internatl. Radio Consultative Comm., 19.9-584
Radio sounding systems
Atlas, D. et al., 19.7-249
Radio soundings
Bean, B. R. et al., 19.9-137
Radio source brightness distribution
Taylor, J. H., 19.4-571
Radio source fluctuations
Drake, F. D., 19.10-665
Radio source spectra
Goldreich, P. et al., 19.9-665
Duthie, J. G. et al., 19.10-666
Radio source structure
Moffet, A. T. et al., 19.11-626
Radhakrishnan, V. et al., 19.11-627
Radio star intensities
Duthie, J. G. et al., 19.10-666
Radio star scintillation
Aarons, J., 19.4-401
Lansinger, J. M., 19.8-517
Fremouw, E. J., 19.8-540
Whitney, H. E. et al., 19.10-561
Radio star scintillation methods
Briggs, B. H. et al., 19.12-473
Hines, C. O. et al., 19.12-487
Radio stars
Mackay, C. D., 19.7-650
Radio telemetry
Farnes, P. E., 19.6-417
Radio telescopes
Palmer, H. P. et al., 19.5-543
Radio wave absorption
Internatl. Radio Consultative Comm., 19.8-273
Radio wave absorption by oxygen
Stankevich, K. S., 19.1-59
Radio wave absorption in auroral regions
Little, C. G., 19.2-403
Radio wave absorption measurement techniques
Naumov, A. P., 19.12-309
Radio wave attenuation
Shifrin, K. S. et al., 19.1-309
Internat. Radio Consultative Comm., 19.8-273
Rice, P. L. et al., 19.9-114
Ricardi, L. J., 19.10-218
Longley, A. G. et al., 19.12-53
Radio wave attenuation in hail
Dadali, Iu. A., 19.10-71
Radio wave attenuation in rain
Dadali, Iu. A., 19.10-71
Radio wave backscatter from auroras
Flood, W. A., 19.2-398
Internatl. Radio Consultative Comm., 19.8-541
Radio wave phase measurements
Bykov, Iu. V. et al., 19.2-343
Radio wave phase variations
Fremouw, E. J. et al., 19.1-58
Johler, J. R., 19.6-488
Johler, J. R. et al., 19.8-73
Radio wave propagation
Fremouw, E. J. et al., 19.1-58
Srivastava, H. N., 19.4-201
Proctor, L. L., 19.6-92
NATO, Advisory Group for Aerospace Res. and Dev., Ionospheric Research Committee, 19.7-14
Basov, N. G., 19.8-71
Bannister, P. R., 19.8-74
Shilov, E. V. et al., 19.9-115
Bolgiano, R., Jr., 19.9-290
Uscinski, B. J., 19.10-77
Tavdgiridze, T. L., 19.10-658
Radio wave propagation anomalies
Legg, A. J. et al., 19.2-63
Senn, H. V., 19.2-175
Kravtsov, Iu. A., 19.12-52
Radio wave propagation between space vehicle/Earth
Legg, A. J. et al., 19.2-63
Radio wave propagation beyond the horizon
Internatl. Radio Consultative Comm., 19.8-68
Post, R. E. et al., 19.10-76
Radio wave propagation calculations
Kazantsev, A. N. et al., 19.5-174
Nesenbergs, M., 19.6-91
Internatl. Radio Consultative Comm., 19.8-68; 19.12-51
Radio wave propagation computations
Blake, L. V., 19.5-179
Jones, R. M., 19.6-89
Pinney, J. W., 19.8-194
Liu, C. H., 19.10-74
Radio wave propagation conferences
Conf. on M.F., L.F., & V.L.F. Radio Propagation, London, Nov. 8-10, 1967, 19.11-39
Radio wave propagation equipment
Hoffman, L. A., 19.10-199

- **Radio wave propagation experiments**
  - Hause, L. G. et al., 19.6-88
  - Peterson, C. F. et al., 19.6-232
  - Lee, R. W. et al., 19.7-85
  - Rawhouser, R., 19.10-217
  - Bannister, P. R., 19.12-48
- **Radio wave propagation forecasting**
  - Smith, P. A., 19.6-502
  - Internatl. Radio Consultative Comm., 19.8-72
  - Pinney, J. W., 19.8-194
  - Finney, J. W. et al., 19.9-112
  - Rice, P. L. et al., 19.9-114
  - Internatl. Radio Consult. Comm., 19.9-581
- **Radio wave propagation in Earth's crust**
  - Brown, R., 19.5-58
- **Radio wave propagation in interplanetary space**
  - Easterling, M. et al., 19.8-643
- **Radio wave propagation models**
  - Nesenbergs, M., 19.6-91
  - Post, R. E. et al., 19.10-76
- **Radio wave propagation over long distances**
  - Kuperov, L. P., 19.4-50
  - Lied, F., 19.7-6
  - Shilov, E. V. et al., 19.9-115
- **Radio wave propagation over short distances**
  - Lee, R. W. et al., 19.7-85
- **Radio wave propagation over water**
  - Nania, A. et al., 19.4-200
- **Radio wave propagation paths**
  - Skerjanec, R. E., 19.9-116
- **Radio wave propagation prediction**
  - Finney, J. W. et al., 19.7-88
- **Radio wave propagation studies**
  - Anastassiades, M. et al., 19.2-60
  - Nania, A. et al., 19.4-200
  - Sachs, D. L. et al., 19.7-84
  - Kimura, I. et al., 19.11-282
- **Radio wave propagation theories**
  - Berry, L. A., 19.10-68
  - Maurer, S. J. et al., 19.10-75
  - Wait, J. R., 19.10-78
- **Radio wave reflection**
  - Austin, G. L., 19.4-404
  - Hause, L. G. et al., 19.6-88
- **Radio wave reflection coefficient calculation**
  - Gambill, B., 19.12-557
- **Radio wave refraction**
  - Kazantsev, A. N. et al., 19.1-160
  - Bean, B. R. et al., 19.8-271
- **Radio wave scattering**
  - Fremouw, E. J. et al., 19.1-58
  - Shifrin, K. S. et al., 19.1-308
  - Fremouw, E. J., 19.8-540
  - Uscinski, B. J., 19.10-77
  - Tavdgiridze, T. L., 19.10-658
- **Radio wave scattering by sea surface**
  - Tveten, L. H., 19.1-572
- **Radio wave scattering in interplanetary media**
  - Okoye, S. E. et al., 19.6-570
- **Radio wave tilt measurement techniques**
  - King, R. J., 19.8-70
- **Radio wave transmission duct forecasting**
  - Pinney, J. W., 19.8-194
- **Radio wave transmission loss**
  - Internatl. Radio Consultative Comm., 19.8-72; 19.8-241
- **Radio waves and circuits**
  - Internatl. Sci. Radio Union, 15th, Munich, 1966, 19.9-31
- **Radio waves from the Earth**
  - Rawer, K., 19.10-216
- **Radio waves from the solar system**
  - Conklin, E. K. et al., 19.7-644
- **Radio–weather relationships**
  - Riggs, L. P. et al., 19.7-285
- **Radio weather services**
  - Dodson, E. B., 19.12-103
  - Hungerford, A., 19.12-104
  - King, J., 19.12-105
  - Leep, R., 19.12-106
  - McGlening, K., 19.12-107
  - Pearson, A. D., 19.12-137
- **Radioactive aerosols**
  - Chamberlain, A. C., 19.6-235
  - Burtsev, I. I. et al., 19.11-256
- **Radioactive contamination of atmosphere**
  - Gibbs, W. J. et al., 19.7-257
  - Eisenbud, M., 19.8-275
- **Radioactive contamination of food**
  - Bell, M. C., 19.6-233
  - Bozoky, L. et al., 19.6-234
- **Radioactive contamination of ocean**
  - Morgan, F., 19.1-543
  - Beliaev, V. I. et al., 19.4-640
  - Gross, M. G., 19.5-182
- **Radioactive dating methods**
  - Labeyrie, J. et al., 19.11-483
- **Radioactive dating of glaciers**
  - Crozaz, G., 19.10-773
- **Radioactive dating of meteorites**
  - Fireman, E. L., 19.5-581
- **Radioactive dating symposia**
  - Symp. on Radioactive Dating and Methods..., Monaco, 1967, 19.10-19
- **Radioactive diffusion**
  - Munn, R. E. et al., 19.4-290
  - Peterson, K. R., 19.7-254
- **Radioactive dosage**
  - Gibbs, W. J. et al., 19.1-169
  - Morgan, F., 19.1-543
- **Radioactive effects on plants**
  - Menzel, R. G., 19.6-236
- **Radioactive fallout**
  - Reynolds, M. A. et al., 19.4-347
  - Menzel, R. G., 19.6-236
  - Korenkov, I. P. et al., 19.11-289
- **Radioactive fallout analysis**
  - Cambray, R. S. et al., 19.6-237
  - Japan. Natl. Inst. of Radiological Sciences, Chiba, 19.11-288
- **Radioactive fallout composition**
  - Kauranen, P. et al., 19.5-183
  - Matsunami, T. et al., 19.11-290
- **Radioactive fallout contamination of desert terrain**
  - Frank, A. L., 19.2-426
- **Radioactive fallout control**
  - Gibbs, W. J. et al., 19.7-257
- **Radioactive fallout data**
  - Dyer, A. J. et al., 19.7-256
  - U. S. Atomic Energy Commission, 19.7-258
  - Giorgi, M. et al., 19.9-297
  - Petrovic, P., 19.10-226
- **Radioactive fallout data analysis**
  - Bonneyman, J. et al., 19.7-255
- **Radioactive fallout dating**
  - Sotobayashi, T. et al., 19.1-170
- **Radioactive fallout dispersal**
  - Schwenke, T. W. et al., 19.1-6
  - Iakovleva, G. V., 19.2-152
  - Diaconescu, I. Ch. et al., 19.11-285
  - Doury, L. et al., 19.11-286
- **Radioactive fallout distribution**
  - Benson, P. A. et al., 19.4-204
- **Radioactive fallout effects**
  - Japan. Natl. Inst. of Radiological Sciences, Chiba, 19.11-288
- **Radioactive fallout exchange stratosphere-troposphere**
  - Chassany, J.,10-229
- **Radioactive fallout in the ground-level air**
  - Yoshikawa, K., 19.11-291
- **Radioactive fallout measurement techniques**
  - Dyer, A. J. et al., 19.7-256
- **Radioactive fallout measurements**
  - Gibbs, W. J. et al., 19.1-169

Cambray, R. S. et al., 19.6-237
Doury, L. et al., 19.11-286
Radioactive fallout models
Schwenke, T. W. et al., 19.1-6
Radioactive fallout origin
Sotobayashi, T. et al., 19.1-170
Radioactive fallout studies
Gasparini, P. et al., 19.9-298
Radioactive fallout trajectories
Kauranen, P. et al., 19.5-183
Montalto, M. et al., 19.9-299
Reiter, R., 19.9-300
Radioactive fallout variations
Thein, M. et al., 19.9-301
Radioactive fractionation
Wendt, I., 19.12-703
Radioactive half-life measurements
Radiocarbon, New Haven, Conn., 19.10-193
Radioactive isotope tracers
Blaszczyk, B., 19.9-824
Radioactive isotope tracers in river hydrology
Ward, P. R. B. et al., 19.12-815
Radioactive isotopes in meteorology
Danilin, A. I., 19.8-126
Radioactive measuring devices
Petrovic, P., 19.10-226
Radioactive monitoring equipment
Schulte, H. F., 19.11-170
Radioactive nuclei tracers
Wogman, N. A. et al., 19.12-353
Radioactive pollution detection
Pavesi, B., 19.9-208
Radioactive pollution instruments
Pavesi, B., 19.9-208
Radioactive pollution measurement techniques
Pavesi, B., 19.9-208
Radioactive prospecting
Keys, W. S., 19.9-844
Radioactive rainout
Meszaros, E. et al., 19.2-153
Stewart, G. L. et al., 19.7-425
Stout, G. E. et al., 19.10-429
Burtsev, I. I. et al., 19.11-256
Radioactive rainwater
Meszaros, E. et al., 19.2-153
Bozoky, L. et al., 19.6-234
Gat, J. R. et al., 19.10-427
Radioactive rainwater analysis
Cambray, R. S. et al., 19.6-237
Matsunami, T. et al., 19.11-290
Radioactive rainwater measurements
Reynolds, M. A. et al., 19.4-347
Cambray, R. S. et al., 19.6-237
Radioactive river water
Bozoky, L. et al., 19.6-234
Urbas, B., 19.7-800
Radioactive sea water
Beliaev, V. I. et al., 19.4-640
Radioactive sea water measurement techniques
Nelepo, B. A. et al., 19.2-554
Goya, H. A. et al., 19.6-662
Lai, M. G. et al., 19.6-663
Radioactive tracer applications
Symp. on Radioisotope Tracers in..., Prague, 1966, 19.10-20
Radioactive tracer diffusion experiments
Mokady, R. S. et al., 19.6-329
Radioactive tracer techniques
Foa, E. et al., 19.4-321
Beauchesne, P. et al., 19.4-684
Cordova, H. I. et al., 19.6-82
Barry, P. J., 19.6-327
Jones, G. B. et al., 19.8-52
Houtman, J. P. W. et al., 19.11-118
Baker, P. S., 19.12-42
Radioactive tracers in agriculture
Baker, P. S., 19.12-42
Radioactive tracers in hydraulic engineering
Guizerix, J., 19.12-803
Makowski, J., 19.12-808
Radioactive tracers in hydrology
Hazzaa, I. B. et al., 19.4-762
Stewart, G. L. et al., 19.7-425
Il'in, N. I. et al., 19.7-820
Nielsen, D. R. et al., 19.8-797
Sauerwein, K., 19.9-820
Ubell, K., 19.9-846
Baetsle, L. H., 19.9-851
Borowczyk, M. et al., 19.9-852
Knutsson, G. et al., 19.9-854
Molinari, J. et al., 19.9-855
Sternau, R. et al., 19.9-856
Dincer, T., 19.9-862
Ellis, W. R. et al., 19.9-868
Fontes, J. C. et al., 19.10-426
Zimmermann, U. et al., 19.10-801
Radioactive tracers in hydrometeorology
Eriksson, E., 19.12-377
Radioactive tracers in meteorology
Zindler, H., 19.6-229
Barry, P. J. et al., 19.10-353
Radioactive variations
Manolov, L. et al., 19.1-166
Radioactive washout
Meszaros, E. et al., 19.2-153
Radioactive waste disposal in the sea
Morgan, F., 19.1-543
Radioactivity in atmosphere
Bell, M. C., 19.6-233
Chamberlain, A. C., 19.6-235
Menzel, R. G., 19.6-236
Radioactivity in atmosphere measurement techniques
Schulte, H. F., 19.11-170
Radioactivity in atmosphere measurements
Lindeken, C. L., 19.9-258
Petrovic, P., 19.10-226
Radioactivity in lakes
Risley, C., Jr. et al., 19.3-688
Radioactivity in sea water
Kubose, D. A. et al., 19.7-739
Radioactivity in the Antarctic
Aldaz, L., 19.1-133
Radioactivity in upper atmosphere
Danielsen, E. F., 19.9-273
Rossi, V., 19.11-283
Radioactivity measurement techniques
Sundara-Vicharana, Y. et al., 19.12-163
Radioactivity measurements
Sundara-Vicharana, Y. et al., 19.12-163
Radioactivity of Moon
Vinogradov, A. P. et al., 19.6-592
Radioactivity release from radionuclides
Kubose, D. A. et al., 19.7-739
Radioactivity–weather relationships
Cieplinski, J. et al., 19.1-162
Manolov, L. et al., 19.1-166
Radiocarbon concentration
Ramaty, R., 19.3-152
Gold, R., 19.7-220
Radiocarbon dating
Libby, W. F., 19.3-456
Loeken, O. H., 19.5-736
Shephard, F. P. et al., 19.6-655
Stuiver, M., 19.10-228
Radiocarbon dating methods
Symp. on Radioactive Dating and Methods..., Monaco, 1967, 19.10-19
Radiocarbon dating of glaciers
Serebriannyi, L. R., 19.5-737
Radiocarbon dating of ground water
Muennich, K. O. et al., 19.9-845
Wendt, I. et al., 19.9-848

  Vogel, J. C., 19.9-857
  Tamers, M. A., 19.10-475
Radiocarbon dating of ice
  Oeschger, H. et al., 19.4-718
  Bryson, R. A. et al., 19.8-751
Radiocarbon dating of sea water
  Miyake, Y. et al., 19.1-542
Radiocarbon distribution
  Radiocarbon, New Haven, Conn., Yale Univ., 19.10-193
  Schell, W. R. et al., 19.10-227
Radiocarbon exchange sea-atmosphere
  Nydal, R., 19.10-192
  Bien, G. et al., 19.10-223
  Schell, W. R. et al., 19.10-227
Radiocarbon exchange stratosphere-troposphere
  Nydal, R., 19.10-192
Radiocarbon in atmosphere
  Gold, R., 19.7-220
  Houtermans, J. et al., 19.10-224
  Olsson, I. U. et al., 19.10-225
  Stuiver, M., 19.10-228
  Walton, A. et al., 19.10-230
  Suess, H. E., 19.11-482
  Damon, P. E., 19.12-429
Radiocarbon in plants
  Walton, A. et al., 19.10-230
Radiocarbon in sea water
  Bien, G. et al., 19.10-223
  Muennich, K. O. et al., 19.10-734
Radiocarbon in the ocean
  Miyake, Y. et al., 19.1-542
  Szabo, B. J. et al., 19.1-544
  Williams, P. M., 19.11-720
Radiocarbon in trees
  Lerman, J. C. et al., 19.5-583
Radiocarbon production
  Ramaty, R., 19.3-152
Radiocarbon variations
  Olsson, I. U. et al., 19.10-225
Radiocerium concentration in lower atmosphere
  Thein, M. et al., 19.9-301
Radioelectric noise
  Storey, O. et al., 19.9-658
Radiofrequency induction
  Sovie, R. J. et al., 19.3-518
Radioisotope distribution
  Martell, E. A., 19.2-149
Radioisotope tracers in industry symposia
  Symp. on Radioisotope Tracers..., Prague, 1966, 19.10-20
Radiometer calibration
  Drummond, A. J., 19.6-141
  Palland, C. L. et al., 19.9-169
Radiometers
  Barashkova, E. P. et al., 19.1-100
  Girdiuk, G. V., 19.1-101
  Reifsnyder, W. E., 19.1-103
  Laevastu, T., 19.2-92
  Vittori, A. O. et al., 19.2-94
  Drummond, A. J. et al., 19.3-85
  Nelson, D. F., 19.9-650, 651
  Suomi, V. E. et al., 19.9-659
  Gautier, D. et al., 19.12-616
Radiometric measurement of surface temperatures
  Fujita, T. et al., 19.10-311
Radiometric techniques
  Palmer, T. Y. et al., 19.4-243
  Buck, G. J., 19.12-87
Radiophysics research
  Daniell, G. J., 19.7-499
Radiosonde accuracy
  Simidchiev, D. et al., 19.3-93
Radiosonde aneroid barometers
  Okada, Y., 19.7-146
Radiosonde ascension rates
  Asseng, E., 19.11-117
Radiosonde ascent data analysis
  Vowinckel, E. et al., 19.12-256
Radiosonde balloons
  Kel’berg, V. P., 19.1-3
  Matorin, S. V. et al., 19.3-69
Radiosonde calibration
  Zaichikov, B. P., 19.9-171
Radiosonde comparisons
  Efimov, P. L., 19.9-190
Radiosonde data analysis
  Pratner, G. D., 19.12-151
Radiosonde electric field measurements
  Ungethuem, E., 19.1-108
Radiosonde equipment
  Stilke, G. et al., 19.1-107
Radiosonde errors
  Marfenko, O. V., 19.8-136
  Efimov, P. L., 19.9-190
  Cox, S. K. et al., 19.12-258
Radiosonde humidity errors
  Mitchell, L. V., 19.2-69
Radiosonde hypsometers
  Rink, J., 19.11-147
Radiosonde improvement
  World Meteorological Organization. Com. for Instruments & Methods of Obs., 19.11-150
Radiosonde instruments
  Gjessing, D. T. et al., 19.6-154
  World Meteorological Organization. Com. for Instruments & Methods of Obs., 19.11-150
Radiosonde measurement of radioactivity
  Rossi, V., 19.11-283
Radiosonde observation techniques
  Rockney, V. D., 19.7-158
  Grace, W. R. and Co. Dewey and Almy Chem. Div., 19.9-4
Radiosonde observations
  LaSeur, N. E., 19.9-307
Radiosonde psychrometers
  Hall, M. P. M. et al., 19.10-141
Radiosonde receivers
  Sen Roy, N. et al., 19.4-112
Radiosonde stations
  U. S. Weather Bur., 19.11-114
Radiosonde temperature corrections
  Daniels, G. E., 19.5-66
Radiosonde temperature errors
  Vaeisaelae, V., 19.2-103
  Osipov, Iu. G., 19.3-52
  Arbuzova, V. N. et al., 19.9-172
  Glagolev, Iu. A. et al., 19.9-173, 174
  Zaichikov, B. P., 19.9-179
  Marfenko, O. V. et al., 19.9-191
  Vaeisaelae, V., 19.10-147
Radiosonde temperature measurements
  Kobayashi, J., 19.2-102
  Belmont, A. D. et al., 19.7-327
Radiosonde temperatures
  Ingham, B., 19.9-386
Radiosonde thermistors
  Arbuzova, V. N. et al., 19.9-172
  Glagolev, Iu. A. et al., 19.9-173, 174
  Zaichikov, B. P., 19.9-179
Radiosondes
  Stilke, G. et al., 19.1-107
  Kobayashi, J. et al., 19.2-102
  Efimov, P. L., 19.8-135
  Usol’tsev, V. A. et al., 19.8-137
Radiosondes on balloons
  Glass, R. I. et al., 19.3-92
Radium in sea water
  Szabo, B. J. et al., 19.1-544
Radium-226 in sea water
  Broecker, W. S. et al., 19.3-639
Radon and thoron measurement techniques
  Dalu, G., 19.9-118
Radon concentration measurement techniques
  Dalu, G., 19.9-119
Radon content of atmosphere
  Malakhov, S. G. et al., 19.1-164
  Dalu, G., 19.9-118, 119
  Lindeken, C. L., 19.9-258
  Desai, B. N., 19.9-294
Randon-222 in atmosphere
  Bguyen, B. C. et al., 19.5-181

Radon-222 in sea water
  Broecker, W. S. et al., 19.3-639
Rain effects on radio wave transmission
  Internatl. Radio Consultative Comm., 19.8-273
Rain floods
  Azarkovich, E. Sh., 19.7-89
  Liutik, P. M., 19.7-94
Rain forecasting
  Lowndes, C. A. S., 19.2-111
  Lund, I. A., 19.12-123
  Roberts, H. V., 19.12-124
Rain formation
  Rosinski, J., 19.3-289
  Wogman, N. A. et al., 19.12-353
Rain gage comparisons
  Bosua, T. A., 19.8-131
  Konstantinov, A. R. et al., 19.10-144
Rain gage errors
  Dolgushin, I. P., 19.4-111
Rain gage measurements
  Kolossa, I., 19.11-153
Rain gage network efficiency
  Smirnov, S. A., 19.10-146
Rain gage networks
  Eagleson, P. S., 19.3-62
  Osborn, H. B., 19.10-274
Rain gage recorders
  Huff, F. A., 19.10-91
  Pike, J. M., 19.10-145
Rain modification experiments
  Changnon, S. A., Jr. et al., 19.7-205
Rain removal of radioactive products
  Wogman, N. A. et al., 19.12-353
Rain runoff coefficients
  Liutik, P. M., 19.7-831
Rain squall lines
  Narayanan, V., 19.7-114
Rain versus snow studies
  Forcier, H. E., 19.7-397
Rain washout
  Carnuth, W., 19.8-223
Rainbow polarization
  Roesch, S., 19.9-554
Rainbows
  Tyldesley, J. B., 19.1-193
  Roesch, S., 19.9-554
Raindrop breakup
  Kessler, E., 19.1-13
Raindrop charge recorders
  Krasnogorskaia, N. V. et al., 19.12-356
Raindrop collision efficiency
  Atkinson, W. R. et al., 19.8-446
Raindrop counting
  Cornford, S. G., 19.9-185
Raindrop measurement techniques
  Nevzorov, A. N., 19.8-130
Raindrop recorders
  Sivaramakrishnan, M. V. et al., 19.4-349
Raindrop size distribution
  Du Toit, P. S., 19.3-301
  Sivaramakrishnan, M. V. et al., 19.4-349
  Jones, D. M. A. et al., 19.11-461
Raindrop size distribution data
  Mueller, E. A. et al., 19.4-348; 19.7-426
Raindrop size distribution instruments
  Nathan, A. M., 19.12-378
Raindrop size distribution measurement
  LaGrone, A. H., 19.7-113
Raindrop size distribution measurement techniques
  Nathan, A. M., 19.12-378
Raindrop size distribution–rainfall intensity relationships
  Simpson, M. H., 19.10-430
Raindrop size measurement techniques
  Imianitov, I. M. et al., 19.9-186
Raindrop size measurements
  Sivaramakrishnan, M. V. et al., 19.4-349
Raindrop size samplers
  Imianitov, I. M. et al., 19.9-186
Raindrop size spectrometers
  Nathan, A. M., 19.12-378
Raindrop sizes
  Simpson, M. H., 19.10-430
Raindrop spectra
  Makuashev, M. K., 19.9-485
Raindrop splash
  Hobbs, P. V. et al., 19.3-274
Raindrop structure
  Gorelik, A. G. et al., 19.1-307
Raindrop velocity measurement techniques
  Armijo, L., 19.4-76
Rainfall–agricultural productivity relationships
  Hewitt, C. W., 19.12-363
Rainfall analysis
  Greenland, D. E. et al., 19.6-397
  Jagannathan, P. et al., 19.7-406
  Mallik, A. K. et al., 19.7-408
  Striem, H. L., 19.8-433
  Gouws, V. C., 19.12-361
Rainfall analysis data
  Hastenrath, S. L., 19.12-362
Rainfall anomalies
  Van Rooy, M. P., 19.9-505
Rainfall calculations
  Gerasimov, S., 19.8-435
  Haude, W., 19.11-453
Rainfall charts
  Gibbs, W. J. et al., 19.1-305
  Gouws, V. C., 19.10-416; 19.12-361
Rainfall climatology
  McGee, O. S. et al., 19.9-504
Rainfall correlations
  Stephenson, P. M., 19.5-306
Rainfall damage
  Henning, D., 19.11-454
Rainfall data
  Gouws, V. C., 19.8-434
Rainfall data analysis
  Brunet-Moret, Y. et al., 19.1-297
  Hirsch, F., 19.4-344
  Stephenson, P. M., 19.5-306
  Bidwell, V. J., 19.6-390
  Dhar, O. N. et al., 19.6-396
  Panchang, G. M., 19.7-411
  Gerasimov, S., 19.8-435
  Van Montfort, M. A. J., 19.11-110
  Holland, D. J., 19.11-452
Rainfall-depth-duration area studies
  Banerji, S. et al., 19.6-258
  Majumdar, K. C. et al., 19.6-407
  Raman, P. K. et al., 19.6-408
  Huff, F. A., 19.7-405
  Raman, P. K. et al., 19.7-418
Rainfall distribution
  Brunet-Moret, Y. et al., 19.1-297
  Ramachandran, G., 19.4-343
  Wycherley, P. R., 19.5-304
  Collinge, V. K. et al., 19.7-183
  Bergeron, T., 19.8-429
  Gouws, V. C., 19.8-434
  Henry, W. K., 19.9-507
Rainfall distribution–monsoon direction relationships
  Fujioka, Y., 19.7-445
Rainfall duration calculations
  Orlova, E. M., 19.12-368
Rainfall effects on crop yield
  Sirotenko, O. D., 19.4-166
Rainfall effects on radio wave transmission
  Hogg, D. C., 19.11-445
Rainfall effects on tree growth
  Zahner, R. et al., 19.1-302
  Shoulders, E., 19.6-75
Rainfall estimation
  Panchang, G. M., 19.7-411
Rainfall frequencies
  Finkelstein, J., 19.7-414
Rainfall frequency analysis
  Storr, D., 19.6-402

Rainfall frequency distribution
Brunet-Moret, Y. et al., 19.1-297
Striem, H. L., 19.8-433
Rainfall–height–solar cycle relationships
Deshpande, D. V., 19.9-506
Rainfall–height variations
Deshpande, D. V., 19.9-500
Rainfall index
Van Rooy, M. P., 19.9-505
Rainfall intensities
Kolassa, I., 19.11-153
Rainfall intensity calculation
Burroughs, H. H., 19.6-395
Orlova, E. M., 19.12-368
Rainfall intensity duration curves
Burroughs, H. H., 19.6-395
Rainfall intensity estimation
Burroughs, H. H., 19.6-395
Rainfall intensity-frequency data
Holland, D. J., 19.11-452
Rainfall intensity measurement techniques
Kolossa, I., 19.11-153
Rainfall measurement accuracy
Konstantinov, A. R. et al., 19.10-144
Smirnov, S. A., 19.10-146
Rainfall models
Sarker, R. P., 19.5-320
Rainfall network density
Eagleson, P. S., 19.3-62
Rainfall networks
Collinge, V. K. et al., 19.7-183
Rainfall patterns
Watterson, G. A. et al., 19.6-399
Rainfall persistence
Finkelstein, J., 19.7-414
Rainfall probability
Watterson, G. A. et al., 19.6-399
Bilbro, J. D., Jr., 19.11-354
Rainfall probability data
Wycherley, P. R., 19.5-304
Rainfall rate
Gerrish, H. P., 19.3-292
Rainfall recorders
Patrichi, Fl. et al., 19.11-156
Rainfall reduction
Warner, J., 19.8-216
Rainfall regime
Wycherley, P. R., 19.5-304
Rainfall–river flow relationships
Jackson, D. R., 19.7-797
Rainfall runoff calculations
Befani, N. F., 19.11-800
Rainfall runoff investigations
Befani, A. N. et al., 19.11-799
Ivanenko, A. G. et al., 19.11-801
Rainfall–runoff relationships
Linsley, R. K., 19.2-285
Dickinson, W. T. et al., 19.3-287
Okunishi, K., 19.3-293
Chow, V. T., 19.4-334
Buil, J. A., 19.7-402
Osborn, H. B. et al., 19.7-410
Singh, K. P., 19.7-837
Viessman, W., Jr., 19.7-839
Banerjee, K. C., 19.8-789
Maitra, B. et al., 19.8-792
Ben-Zvi, A. et al., 19.10-411
Van Montfort, M. A. J., 19.11-110
Crawford, N. H., 19.12-351
Rainfall–solar radio emission flux relationships
Iurovskii, Iu. F., 19.11-616
Rainfall statistics
Hammer, R. M., 19.10-419
Rainfall–stream flow relationships
Glass, L. J. et al., 19.4-335
Berry, K., 19.6-794
Buil, J. A., 19.7-402
Singh, K. P., 19.7-837
Rainfall studies
Henry, W. K., 19.9-507
Rainfall–surface wind relationships
Collinge, V. K. et al., 19.7-183
Rainfall–upper air temperature relationships
Srinivasan, T. R. et al., 19.4-340
Rainfall–upper air wind relationships
Srinivasan, T. R. et al., 19.4-340
Rainfall variability
Watterson, G. A. et al., 19.6-399
Osborn, H. B. et al., 19.7-410
Rainfall variations
Hirsch, F., 19.4-344
Greenland, D. E. et al., 19.6-397
Drissel, J. C., 19.9-858
Cherniakova, A. P., 19.10-418
Hastenrath, S. L., 19.12-362
Rainstorm analysis
Huff, F. A., 19.3-187
Gerrish, H. P., 19.3-292
Banerji, S. et al., 19.6-258
Raman, P. K. et al., 19.6-408
Ghose, S. K., 19.7-417
Raman, P. K. et al., 19.7-418
Rutter, N. et al., 19.8-441
Rainstorm structure
Huff, F. A., 19.10-91
Rainwater composition
Khemani, L. T. et al., 19.3-349
Rainy season end forecasting
Lund, I. A. et al., 19.11-188
Ramsondes
Alford, D. L., 19.6-416
Range measurement techniques
Westwater, E. R., 19.3-151
Ranger 7 data
Kuiper, G. P., 19.6-588
Ranger 8 lunar photographs
Chapman, C. R., 19.8-650
Ranger 9 lunar photographs
Chapman, C. R., 19.8-650
Rare gases in Earth's crust
Canalas, R. A. et al., 19.12-608
Rare gases in meteorites
Canalas, R. A. et al., 19.12-608
Rasko rockets
Kibinski, J. M., 19.6-130
Raspberries
Jennings, D. L. et al., 19.9-104
Rawin receiver systems
Brown Engineering Co., Inc., Huntsville, Ala., 19.7-150
Rawinsonde ascension rates
Angell, J. K., 19.4-282
Rawinsonde ascents
Baynton, H. W., 19.4-72
Rawinsonde data
Miller, M. E., 19.12-174
Rawinsonde data processing
Trifonov, G. P., 19.9-135
Rawinsonde improvements
World Meteorological Organization. Com. for Instruments & Methods of Obs., 19.11-150
Rawinsonde techniques
Rockney, V. D., 19.7-158
Ray theory
Maurer, S. J. et al., 19.10-75
Ray tracing techniques
Croft, T. A. et al., 19.5-399
Detert, D. G., 19.5-401
Folkestad, K., 19.5-404
Inston, H. H. et al., 19.5-405
Kelso, J. M., 19.5-410
Lemanski, T. J., 19.5-413
Nielson, D. L., 19.5-416
Paul, A. K. et al., 19.5-418
Westover, D. E., 19.5-429
Jones, R. M., 19.6-89
U. S. Inst. for Telecom. Sci. & Aeron., 19.6-507
Walker, A. D. M., 19.7-629
Narayana, R. N., 19.12-503
Rayleigh numbers
Durney, B., 19.12-179
Mack, L. R., 19.12-191
Rayleigh scattering
Kahle, A. B., 19.7-311
Rayleigh wave dispersion
Nag, S. K., 19.6-670

Rayleigh wave effects on atmospheric waves
Golitsyn, G. S. et al., 19.4-212
Recirculation in Great Lakes
Anderson, D. V., 19.7-783
Reclamation
Shpak, I. S. et al., 19.2-613
Recording rain gages
Bosua, T. A., 19.8-131
Smirnov, S. A., 19.10-146
Red oxygen emission–geomagnetic activity relationships
Truttse, Iu. L., 19.7-244
Red shift
Gasanalizade, A. G., 19.5-603
Reduction methods
Mitsuta, Y., 19.3-48
Gerasimov, S., 19.8-435
Reentry into atmosphere
Krey, P. W., 19.3-154
Hogge, J. E., 19.5-41
Reentry luminosity
Bess, T. D., 19.1-456
Reflectance and transmittance of muscovite-type mica
Bradford, A. P. et al., 19.11-352
Reflectance measurements
Zander, R., 19.3-558
Heavers, R. M., 19.7-736
Hunter, W. R., 19.8-318
Saiedy, F. et al., 19.8-621
Reflectance of sand
Salomonson, V. V. et al., 19.10-289
Reflected fading ionospheric echoes
Essex, E. A. et al., 19.12-66
Reflected layers
Chernov, Iu. A., 19.8-500
Reflection coefficient calculation
Davies, J. A., 19.6-291
Reflective properties of various materials
Fridzon, M. B. et al., 19.5-123
Reflectometers
Hunter, W. R., 19.8-318
Refractive index
Vezzetti, D. J. et al., 19.7-86
Refractive index discontinuities
Bolgiano, R., Jr., 19.11-312
Refractive index distribution
Fukushima, M., 19.3-150
Fea, G. et al., 19.9-219, 291
Zancla, A., 19.9-293
Refractive index effects on radar
Westwater, E. R., 19.3-151
Refractive index fluctuations
Bean, B. R. et al., 19.11-281
Refractive index measurement techniques
Aggarwal, A. K. et al., 19.5-178
Gilmer, R. O. et al., 19.7-251
Phinney, R. A. et al., 19.7-253
Refractive index of ionosphere
Hojo, H., 19.2-360
Refractive index of sea water
Rusby, J. S. M., 19.1-539
Refractive index profiles
Srivastava, H. N., 19.4-201
Blake, L. V., 19.5-179
Maenhout, A. G., 19.7-252
Fea, G. et al., 19.9-291
Uscinski, B. J., 19.10-77
Westcott, B. S., 19.10-222
Refractive index tables
Brady, M. M., 19.7-250
Refractive index variations
Misme, P., 19.10-213
Mozzhukhin, O. A., 19.10-215
Refractivity climatology
Brady, M. M., 19.7-250
Refractivity gradient climatology
Maenhout, A. G., 19.7-252
Refugia
Loeken, O. H., 19.5-736
Regelation
Frank, F. C., 19.6-710
Nunn, K. R. et al., 19.6-711
Nye, J. F., 19.6-712
Townsend, D. E. et al., 19.6-713
Regression techniques
Glahn, H. R., 19.2-65
Lewis, F., 19.12-60
Relative vorticity changes
Gazzola, A. et al., 19.9-312
Relative vorticity determination
Cohen, S. H. et al., 19.9-216
Relativity
Dingle, H., 19.5-539
Relativity effects
Michel, F. C., 19.12-517
Relativity theories
Roeder, R. C. et al., 19.7-301
Release wave propagation
Ivanova, A. A. et al., 19.9-826
Remanent geomagnetic field calculations
Liakhov, B. M., 19.2-447
Remanent magnetization
Kitazawa, K. et al., 19.12-531
Remote reading thermometers
Fedotova, L. V., 19.11-146
Remote recording instruments
Holter, M. R. et al., 19.10-136
Remote sensing equipment
Olson, B. E., 19.7-726
Colwell, R. N., 19.8-108
Remote sensing in agriculture
Park, A. B., 19.9-195
Remote sensing in forestry
Park, A. B., 19.9-195
Avery, T. E., 19.10-58
Reptilia
Brooks, G. R., Jr., 19.1-222
Research in meteorology
MIT, Cambridge, 19.8-39
Research in oceanography
MIT, Cambridge, 19.8-39
Research programs
U. S. ESSA, 19.10-33
Research ships
International Geophysical Year 1957/1958. IGY World Data Center A (for) Oceanog., 19.2-531
Niblock, R. W., 19.6-647
Onufriev, B. A., 19.6-648
Reservoir currents under ice
Bulatov, S. N., 19.2-595
Reservoir designs
Cimpa, F., 19.7-843
Yevdjevich, V. M., 19.12-807
Reservoir ecology
Dziuban, N. A. et al., 19.6-778
Reservoir effects on climate
Brattsev, L. A. et al., 19.4-381
Lewinska, J., 19.6-452
Reservoir effects on rivers
Goriunov, I. V. et al., 19.3-222
Levkovskii, S. S., 19.4-318
Brattsev, L. A. et al., 19.4-381
Chekushkina, T. A., 19.9-833
Mokliak, V. I., 19.9-836
Liser, I. Ia., 19.12-802
Reservoir effects on winds
Zaitsev, A. S. et al., 19.1-258, 259
Grigor'eva, O. G., 19.2-244
Reservoir flood plains
Kotova, N. G., 19.6-782
Reservoir freeze-up
Epifanov, V. F., 19.4-273
Iasonov, G. A., 19.5-728
Korbutiak, M. V., 19.5-729
Reservoir freeze-up data calculation
Sklabinskii, V. P., 19.5-731
Reservoir hydrology
Mundorff, M. J., 19.4-760
Frohnholzer, J., 19.6-179
Butorin, N. V. et al., 19.6-776
Chigirinskii, P. F., 19.6-777
Dziuban, N. A. et al., 19.6-778
Kennon, F. W., 19.6-779
Linhart, J., 19.6-783
Hurst, H. E. et al., 19.8-12
Kryzhanovskaia, A. B., 19.9-834
Lloyd, E. H., 19.9-835
Hall, W. A. et al., 19.11-795
Kaessaris, N. S., 19.12-804
Schweig, Z. et al., 19.12-805
Yevdjevich, V. M., 19.12-807
Reservoir ice
Epifanov, V. F. et al., 19.5-727
Korbutiak, M. V., 19.5-729

Reservoir ice breakup
Epifanov, V. F., 19.4-273
Iasonov, G. A., 19.5-728
Korbutiak, M. V., 19.5-729
Reservoir ice formation forecasting
Beilinson, M. M., 19.5-751
Reservoir influences on air temperature
Gushchina, L. A., 19.1-228
Gregory, S. et al., 19.5-354
Reservoir influences on humidity
Gushchina, L. A., 19.1-228
Gregory, S. et al., 19.5-354
Reservoir intake calculations
Meerson, T. I., 19.3-353
Reservoir intake forecasting
Elakhovskii, S. B., 19.3-111
Lebedeva, N. D., 19.3-113
Sapozhnikov, V. I., 19.3-117
Zmieva, E. S., 19.3-120
Khaskina, M. I., 19.4-155
Minchev, R. et al., 19.8-782
Banerjee, K. C., 19.8-789
Maitra, B. et al., 19.8-792
Kryzhanovskaia, A. B., 19.9-237
Reservoir leakage location
Guizerix, J., 19.12-803
Makowski, J., 19.12-808
Reservoir level fluctuations
Kolkutin, V. I. et al., 19.6-780
Savina, V. D., 19.6-786
Reservoir level variations
Kolotov, A. A., 19.5-756
Pitsyk, I. V., 19.6-784
Reservoir pollution
Romanov, D. F., 19.6-785
Reservoir sediment transport
Iaroslavtsev, N. A., 19.4-755
Reservoir sedimentation
Shirokov, V. M., 19.6-787
Iaroslavtsev, N. A., 19.7-808
Reservoir shores
Iaroslavtsev, N. A., 19.4-755
Reservoir silting
Shirokov, V. M., 19.6-787
Moldovanov, A. I., 19.7-809
Reservoir temperature calculations
Pivovarov, A. A., 19.4-756
Reservoir temperatures
Timofeev, M. P., 19.1-238
Epifanov, V. F., 19.4-273
Tachalov, S. N., 19.6-788
Reservoir temperatures under ice
Bulatov, S. N., 19.2-595
Pivovarov, A. A., 19.4-756
Reservoir utilization
Hall, W. A. et al., 19.11-795
Young, G. K., 19.11-796
Schweig, Z. et al., 19.12-805
Reservoir water budget
Kennon, F. W., 19.6-779
Reservoir water mixing
Sauerwein, K., 19.9-820
Reservoir wave motion
Tsvetkova, D. I., 19.5-262
Reservoir wave studies
Tsaitts, E. S. et al., 19.7-350
Reservoirs
Dowell, C. L. et al., 19.1-594
Resistance thermometers
Ochs, G. R., 19.6-145
Raja, J. et al., 19.6-146
Zaichikov, B. P., 19.9-171
Resonance probes
Kostelnicek, R. J., 19.8-165
Kawashima, N., 19.8-513
Resonator of ionosphere
Troitskaia, V. A. et al., 19.7-537
Resort climates
Petrovic, S., 19.6-433
Return-stroke models
Jones, D. L., 19.10-507
Reverberation in the sea
Ol'shevskii, V. V., 19.8-14
Reversing thermometers
Boyce, F. M., 19.2-538
Reynolds analogy
Gukhman, A. A. et al., 19.11-294
Reynolds number
Betchov, R., 19.10-322
Armitt, J., 19.11-382
Wootton, L. R., 19.11-389
Khorguani, V. G., 19.12-190
Pan, F. Y. et al., 19.12-274
Reynolds stress
Moffatt, H. K., 19.6-322
Ohji, M., 19.10-242
Kirwan, A. D., Jr., 19.10-246
Rhenium in sea water
Scadden, E. M., 19.10-736
Rheumatism
Modval, M. et al., 19.11-94
Rhombie antennas
Proctor, L. L., 19.6-92
Rice crop damage
Maruyama, E., 19.11-87
Rice cultivation
Iwakiri, S., 19.7-57
Chernysheva, L. S., 19.8-57, 58
Maruyama, E., 19.11-87
Rice transpiration
Makarova, V. S. et al., 19.3-271
Richardson's number
Hansen, F. F. et al., 19.6-323
Reiter, E. R. et al., 19.12-278
Richardson's number in lower atmosphere
Hansen, F. V., 19.4-215
Lettau, H. et al., 19.12-285
Ridges
Sokhov, T. Z. et al., 19.6-360
Rift system
Fox, P. J., 19.4-26
Rime deposits
Kiss, E., 19.6-380
Rime frequencies
Kiss, E., 19.6-380
Ring current effects on cosmic rays
Yoshida, S. et al., 19.10-598
Ring current effects on geomagnetic field
Kavanagh, L. D., Jr., 19.4-533
Akasofu, S. I. et al., 19.6-534
Ring current effects on magnetic storms
Sugiura, M., 19.12-536
Ring current effects on whistlers
Bauer, S. J. et al., 19.8-490
Ring current–geomagnetic relationships
Davis, T. N. et al., 19.5-485
Ring current magnetic field
Hoffman, R. A. et al., 19.5-519
Ring current theory
Swift, D. W., 19.8-534, 593
Ring currents
Hoffman, R. A. et al., 19.5-519
Grafe, A., 19.7-482
Fel'dshtein, Ia. I. et al., 19.7-548
Riometer data processing
Heisler, R. et al., 19.2-357
Ripples
Fagela, E. B. et al., 19.8-280
River basin hydrology
Ziemonska, Z., 19.3-701
Wilgut, T., 19.6-765
Jackson, D. R., 19.7-797
Mandadzhiev, D., 19.8-786
Orieux, A. et al., 19.11-806
River bed stability
Gradowczyk, M. H., 19.12-796
River catchments
Liutik, P. M., 19.7-831
River control
Hurst, H. E. et al., 19.8-12
River discharge calculations
Carey, K. L., 19.1-589
Kriz, V., 19.3-720
Spitsyn, I. P., 19.6-774
Chekushkina, T. A., 19.9-833
Kryzhanovskaia, A. B., 19.9-834
River discharge estimation
Leopold, L. B. et al., 19.2-305
Dickinson, W. T., 19.2-600
Banerji, S. et al., 19.7-940
River discharge forecasting
Woehr, F., 19.3-126

River discharge formulas
Martinec, J., 19.6-755
River discharge into oceans
Roden, G. I., 19.2-601
River discharge measurement errors
Dickinson, W. T., 19.2-600
River discharge measurement techniques
Michalczewski, M., 19.9-123
River discharge variations
Oestrem, G. et al., 19.2-306
Roden, G. I., 19.2-601
Liggett, J. A. et al., 19.8-774
Paslawski, Z. et al., 19.9-865
River discharges
Ertel, H., 19.1-266
Arnborg, L. et al., 19.7-804
River erosion
Herbertson, J. G. et al., 19.10-781
River flood plains
Baluta, D., 19.8-775
River floods
Astrakhantsev, V. I. et al., 19.6-767
Cherniavskaia, V. E., 19.6-770
Cross, D. A. E., 19.6-772
Paslawski, Z. et al., 19.9-865
River flow calculation
Sinotin, V. I. et al., 19.8-779
River flow dynamics
Znamenskaia, N. S. et al., 19.2-602
Ivanova, A. A. et al., 19.9-826
Woodyer, K. D., 19.9-830
River flow fluctuations
Grushevskii, M. S., 19.7-806
River flow forecasting
Zmieva, E. S. et al., 19.11-194
Golubtsov, V. V. et al., 19.11-206
River flow measurement techniques
Ward, P. R. B. et al., 19.12-815
River flow regulation
Kartvelishvili, N. A., 19.9-9
River flow variations
Golubtsov, V. V., 19.10-780
River flow velocities
Grinval'd, D. I., 19.7-805
River flow velocity calculations
Martinec, J., 19.4-753
River freeze-up calculation
Shuliakovskii, L. G. et al., 19.10-775
River hydrology
Ivanova, E. M. et al., 19.1-593
Vol'ftsun, I. B., 19.2-598
Gurevich, M. I., 19.3-695
Popov, G. V., 19.3-697
Vol'ftsun, I. B., 19.3-698
Abal'ian, T. S., 19.4-750
Amus'ia, A. Z. et al., 19.4-751
Vishnevskii, P. F. et al., 19.4-766
Keller, H. M., 19.5-757
Taylor, C. H., 19.6-763
Astrakhantsev, V. I. et al., 19.6-767
Berry, K., 19.6-794
Roschke, G., 19.7-799
Roonwal, G. S., 19.9-822
Shcherbak, A. V., 19.9-832
Paslawski, Z. et al., 19.9-865
Hidaka, F. T. et al., 19.10-782
Paslawski, Z., 19.10-785
Wallace, D. E. et al., 19.10-786
Fox, M. J., 19.12-320
Simpson, R. W., 19.12-793
River ice
Beilinson, M. M. et al., 19.11-190
River ice base configurations
Carey, K. L., 19.6-728
River ice breakup
Poliakova, K. N., 19.5-725
Beilinson, M. M. et al., 19.11-190
Akbarov, A. A., 19.12-801
River ice conditions
Laszloffy, W., 19.5-722
River ice control
Cook, R. G. et al., 19.7-776
River ice effects on stream flow
Carey, K. L., 19.1-589
Kamada, S. E., 19.6-796
River ice forecasting
Ginzburg, B. M., 19.4-736
Makarevich, T. N. et al., 19.5-723
River ice formation
Goriunov, I. V. et al., 19.3-222
Makarevich, T. N. et al., 19.5-723
Pariset, E. et al., 19.5-724
Dmitrieva, N. G., 19.6-729
Shuliakovskii, L. G. et al., 19.10-775
Akbarov, A. A., 19.12-801
River ice formation effects on water levels
Rai, I. A., 19.5-772
River ice jams
Pariset, E. et al., 19.5-724
River ice melting
Poliakova, K. N., 19.5-725
River ice melting effects on stream flow
Tolstikhin, O. N., 19.6-726
River ice regime
Korbutiak, M. V. et al., 19.5-730
Tolstikhin, O. N., 19.6-726
River ice roughness
Carey, K. L., 19.1-577
River ice roughness coefficient
Carey, K. L., 19.6-728
River ice structure
Akbarov, A. A., 19.12-801
River ice thickness
Liser, I. Ia., 19.12-802
River level forecasting
Popov, E. G. et al., 19.3-116
Sapozhnikov, V. I. et al., 19.3-118
River level variations
Podani, M., 19.3-704
River meandering
Scheidegger, A. E., 19.4-752
River networks
Swart, J. S. et al., 19.3-700
River runoff
Gurevich, M. I., 19.3-695
River runoff calculations
Andreianov, V. G., 19.2-610
Gurevich, M. I., 19.3-717
Kuchment, L. S. et al., 19.9-864
River runoff data analysis
Streil, J., 19.1-597
River runoff distribution
Ujvari, J., 19.1-598
River runoff effect on estuarine hydrology
Bol'shakov, V. S., 19.10-792
River runoff forecasting
Kuchment, L. S. et al., 19.9-864
River runoff forecasting techniques
Kharshan, A. A., 19.9-234
River runoff—sea level relationships
Antonov, V. S., 19.11-710
River runoff variations
Bass, S. V. et al., 19.6-797
Panaiotov, T., 19.8-778
Paslawski, Z., 19.10-785
River sediment measurements
Shvebs, G. I., 19.5-752
Karaushev, A. V. et al., 19.5-753
Solov'ev, N. Ia., 19.5-754
River sediment transport
Oestrem, G. et al., 19.2-306
Butylin, G. V., 19.5-758
Razumikhina, K. V., 19.5-759
Rossinskii, K. I., 19.5-760
Sutherland, A. J., 19.5-761
Mundorff, J. C. et al., 19.6-756
Ivanov, Iu. N., 19.8-15
Herbertson, J. G. et al., 19.10-781
Norgaard, R. B., 19.11-805
River sediment transport measurements
Blaszczyk, B., 19.9-824
River sedimentation
Lamar, W. L., 19.7-801

  Richardson, D. et al., 19.7-825
  Baluta, D., 19.8-775
River silt suspension
  Van Wyckhouse, R. J., 19.12-797
River stages
  Cherniavskaia, V. E., 19.6-770
River surveys
  Ayers, J. C. et al., 19.12-794
River systems
  Harbaugh, T. E. et al., 19.4-337
River temperature regime
  Goriunov, I. V. et al., 19.3-222
River temperatures
  Moore, A. M., 19.1-237
  Nishizawa, T., 19.6-757, 758
  Wundt, W., 19.6-760
River water composition
  Kunkle, S. H. et al., 19.2-599
  Hughes, L. S. et al., 19.5-762
  Maddocks, G. E., 19.6-748
  Mundorff, J. C. et al., 19.6-756
  Anderson, P. W. et al., 19.6-761
  Ivanov, K., 19.6-762
  Lamar, W. L., 19.7-801
  Ivanov, K., 19.8-777
  Fisher, D. W., 19.12-358
River water discharge in sea water
  El-Sabh, M. I., 19.11-735
River water distribution studies
  Duxbury, A. C., 19.9-787
River water influences on sea water
  Alekin, O. A., 19.1-545
  Roden, G. I., 19.2-601
  Dera, J., 19.4-629
  Khodkin, S. S., 19.9-797
River water mineralization
  Ivanov, K., 19.6-762; 19.8-776, 777
River water mineralization–river discharge relationships
  Jaworska, M., 19.12-798
River water pollution
  Anderson, P. W. et al., 19.6-761
River water spread in lake water
  Ayers, J. C. et al., 19.12-794
River water spread in sea water
  Bol'shakov, V. S., 19.10-792
River water temperature forecasting
  Wright, J. C. et al., 19.6-759
River water turbidity
  Westlake, D. F., 19.2-199
River water turbidity determination
  Shvebs, G. I., 19.5-752
  Butylin, G. V., 19.5-758
Riverine reconnaissance hydrographic surveys
  Paradis, M. G., 19.12-792
Road traffic effects on atmospheric pollution
  Kelenffy, S. et al., 19.1-140
Rock creep
  Schumm, S. A., 19.5-742
Rock magnetization
  Creer, K. M., 19.4-512
Rock stream activity
  Anan'ev, G. S., 19.8-781
Rocket airglow observations
  Huruhata, M. et al., 19.11-549
Rocket and satellite data catalogs
  U. S. Natl. Space Science Data Ctr., Greenbelt, Md., 19.11-608
Rocket auroral investigations
  Ulwick, J. C., 19.1-398
  Whalen, B. A. et al., 19.1-404
  Anger, C. D., 19.2-393
  Mathews, D. L. et al., 19.7-545
  Whalen, B. A. et al., 19.7-556
  Lloyd, J. W. F. et al., 19.8-544
  Baker, K. D., 19.10-565
  Mueller, J. R. et al., 19.10-569
  Miller, R. E. et al., 19.10-576
Rocket auroral observations
  Reasoner, D. L. et al., 19.12-516
Rocket ballistics
  Wells, C. R. et al., 19.7-133
Rocket-borne cryogenic condenser upper air sampling
  Hord, J., 19.5-104
Rocket-borne polarimeters
  Heath, D. F., 19.8-155
Rocket chemical release investigation of upper atmosphere
  Johnson, E. R. et al., 19.1-64
Rocket communication systems
  Stutz, R. E., 19.8-615
Rocket data analysis
  Logvinov, K. T., 19.11-139
Rocket data processing
  Internat. Years of the Quiet Sun, 1964-1965, 19.9-211
Rocket development
  Johnson, V. L. et al., 19.10-645
Rocket exploration of upper atmosphere
  Shafrir, U. et al., 19.8-472
  Minnis, C. M., 19.9-167
  Internatl. Years of the Quiet Sun, 4th Assembly, 1967, 19.10-119
Rocket grenade experiments
  Johnson, E. R. et al., 19.1-64
  Groves, G. V., 19.6-194
  Johnson, E. R. et al., 19.7-239
Rocket impact prediction
  D'Arcy, E. M., 19.2-87
Rocket instrumentation
  Izakov, M. N. et al., 19.9-403
  Repnev, A. I., 19.12-83
Rocket investigations
  Sanderson, J. A., 19.10-552
Rocket ionospheric data analysis
  Monro, P. E. et al., 19.12-500
Rocket ionospheric investigations
  Mechtly, E. A. et al., 19.3-395
  Cahill, L. J., 19.5-530
  Hall, J. E., 19.10-530
  Landmark, B., 19.11-541
Rocket ionospheric measurements
  Gdalevich, G. L. et al., 19.1-372
  Miyazaki, S., 19.2-373
  Oya, H. et al., 19.3-396
  Foeppl, H. et al., 19.4-418
  Hall, J. E. et al., 19.4-421
  Kato, Y. et al., 19.4-427
  Oya, H. et al., 19.4-438
  Aikin, A. C. et al., 19.8-497
  Kusumanto, –, et al., 19.8-516
  Smith, L. G. et al., 19.8-531
  Gringauz, K. I. et al., 19.10-527
  Wright, J. W., 19.12-513
Rocket ionospheric observations
  Mukunda Rao, M. et al., 19.8-520
Rocket ionospheric soundings
  Abhirama Reddy, C., 19.4-403
  Bowhill, S. A. et al., 19.6-477
  Kimura, I. et al., 19.8-514
  Oya, H., 19.8-523
  Renard, C., 19.10-550
Rocket magnetic measurements
  Oguti, T., 19.5-457
  Cahill, L. J., 19.5-530
  Heppner, J. P., 19.11-561
Rocket measurement of auroral electrons
  Evans, D. S., 19.2-397
Rocket measurement of auroral radiation
  Pfister, W., 19.9-614
  Reidy, W. P. et al., 19.9-618
Rocket measurement of charged particles
  Bragin, Iu. A., 19.1-339
  Nakagawa, S., 19.3-528
  Chase, L. M., 19.10-563
  Maehlum, B. N., 19.10-564
Rocket measurement of corpuscular radiation
  Kazachevskaia, T. V., 19.2-215

Rocket measurement of cosmic dust
  Berg, O. E. et al., 19.1-464
  Greenman, N. N. et al., 19.1-465
Rocket measurement of micrometeorites
  Yaniv, A. et al., 19.7-677
Rocket measurement of night airglow
  Baker, D. J. et al., 19.1-406; 19.9-619
Rocket measurement of protons
  Kuck, G. A., 19.4-534
Rocket measurement of temperatures
  Gringauz, K. I., 19.8-355
Rocket measurement of upper air temperatures
  Faust, H., 19.1-80
  Kays, M. et al., 19.1-82
Rocket measurement of upper air winds
  Faust, H., 19.1-80
  Kays, M. et al., 19.1-82
Rocket measurements
  Walczewski, J., 19.7-355
Rocket mesospheric observations
  Perov, S. P. et al., 19.11-277
Rocket mesospheric soundings
  Perov, S. P. et al., 19.8-258
Rocket meteoritic dust measurements
  McDonnell, J. A. M., 19.4-101
  Shafrir, U., 19.8-634
Rocket meteorology
  U. S. Natl. Aero. & Space Adm., 19.11-48
  Webb, W. L., 19.12-41
Rocket noctilucent cloud observations
  Skrivanek, R. A., 19.9-259
  Witt, G., 19.9-563
Rocket observation of airglow
  Moos, H. W. et al., 19.2-414
  Nakamura, T., 19.3-415
Rocket observation of auroras
  Mozer, F. S., 19.7-551
Rocket observation of dayglow
  Nagata, T. et al., 19.8-330
Rocket obervation of H_α emission
  Fishkova, L. M. et al., 19.8-248
Rocket observation of micrometeorids
  Farlow, N. H., 19.12-609
Rocket observation of night airglow
  Greer, R. G. H. et al., 19.4-473
  Huruhata, M. et al., 19.8-547
Rocket observation of the stratospheric circulation
  Webb, W. L., 19.10-497
Rocket observation of VLF emissions
  Iversen, I. B. et al., 19.10-639
Rocket observation of zodiacal light
  Tanabe, H. et al., 19.11-668
Rocket observation techniques
  Yonezawa, T., 19.6-118
Rocket observations
  Quiroz, R. S., 19.1-84
  Soberman, R. K. et al., 19.8-474
  Wilhelm, N. et al., 19.8-478
  Oya, H. et al., 19.10-545
Rocket-propelled sounding vehicles
  Dubois, E. et al., 19.7-135
Rocket propulsion
  Johnson, V. L. et al., 19.10-645
  Martin, A. W., 19.10-646
Rocket propulsion simulation programs
  Martin, A. W., 19.10-646
Rocket released chemicals
  Hoffman, J. M. et al., 19.1-81
Rocket released sodium
  Derblom, H. et al., 19.1-394
  Maseide, K., 19.3-409
Rocket research
  Quiroz, R. S., 19.1-84
  Marwick, C., 19.5-105
  Minnis, C. M., 19.9-167
  Slukhai, I. A., 19.11-62
Rocket research programs
  Quiroz, R. S., 19.1-84
Rocket solar observations
  Goldberg, L., 19.11-670
Rocket sounding of ionosphere
  Kimura, I., 19.11-540
Rocket soundings
  Bollermann, B. et al., 19.1-79
  Bean, B. R. et al., 19.9-137
  IQSY, 4th Assembly, 1967, 19.10-119
  Riazanova, L. A., 19.10-205
Rocket spectrograph observations
  Jones, B. B. et al., 19.12-652
Rocket technology
  Marwick, C., 19.5-105
  Johnson, V. L. et al., 19.10-645
  U. S. Natl. Aero. & Space Adm., 19.11-48
Rocket telemetering equipment
  Stutz, R. E., 19.8-615
Rocket temperature instruments
  Morrissey, J. F. et al., 19.1-83
  Thompson, D. C., 19.9-177
Rocket temperature measurements
  Miller, A. J. et al., 19.10-310
Rocket temperature observations
  Gille, J. C., 19.8-249
Rocket tracking
  Kibinski, J. M., 19.6-130
Rocket trajectories
  Burrows, K., 19.2-86
Rocket upper air soundings
  Repnev, A. I., 19.12-83
Rocket upper atmosphere research
  Webb, W. L., 19.7-245
Rocket wind measurements
  Faust, H., 19.5-264
  Walczewski, J., 19.6-106
  Rao, M. S. V., 19.6-131
  Bedinger, J. F. et al., 19.7-352
  Walczewski, J., 19.8-391
  Miller, A. J. et al., 19.10-310
Rocket X-radiation measurements
  Van Gils, J. N. et al., 19.5-604
  Cooke, B. A. et al., 19.6-581
  Seward, F. et al., 19.6-582
Rockets
  Nardone, L. J., 19.9-622
Rocketsonde temperature errors
  Thompson, D. C., 19.8-102
Rocketsonde thermistors
  Thompson, D. C., 19.8-102
Rocketsondes
  Daniels, G. E., 19.5-66
  Wright, J. B. et al., 19.5-103
Rodentia
  Davis, D. E., 19.1-223
Rossby-Haurwitz waves
  Lindzen, R. S. et al., 19.8-371
Rossby-like eddies
  Macdonald, N. J., 19.12-209
Rossby number
  Kutzbach, J. E. et al., 19.11-323
Rossby waves
  Henning, D., 19.6-254
  Moerth, H. T., 19.9-419
  Fultz, D. et al., 19.12-196
  Macdonald, N. J., 19.12-209
Rossby waves in ocean
  Gates, W. L., 19.3-659
Rossby waves in oceanic circulation
  Ibbetson, A. et al., 19.5-692
  Wunsch, C., 19.7-756
Rotating fluid experiments
  Titman, C. W., 19.3-569
  Raethjen, P., 19.6-256
Rotating fluid motion
  Di Benedetto, F., 19.2-158
  Hide, R. et al., 19.3-446
  Veronis, G., 19.7-260

Rotation effects on convective motion
Durney, B., 19.12-182
Rotation of Jupiter
Dulk, G. A., 19.1-471
Gulkis, S. et al., 19.3-566
Runcorn, S. K., 19.3-568
Rotation of the upper atmosphere
King-Hele, D. G. et al., 19.2-254; 19.4-190; 19.8-253
Challinor, R. A., 19.10-201
Rotation of Venus
Smith, B. A., 19.9-684
Rotational temperatures of OH bands in airglow
Kvifte, G. J., 19.3-414
Rotational thunderstorms
Fujita, T. et al., 19.9-349
Roughness length
Champ, D. H., 19.1-263
Fichtl, G. H., 19.10-131
Roughness parameters
Liapina, R. S., 19.4-42
Byrne, R. J., 19.6-337
Rumanian Hydrological Service
Chiriac, V., 19.9-58
Rumanian Meteorological Service
Chiriac, V., 19.9-58
Runoff calculations
Galushchenko, N. G., 19.9-859
Runoff coefficient determination
Vitga, O. et al., 19.11-802
Runoff distribution in reservoirs
Vitga, O. et al., 19.11-802
Runoff estimation
Krynskii, V. M., 19.7-829
Viessman, W., Jr., 19.7-839
Moore, D. O., 19.12-813
Runoff–flood relationships
Galushchenko, N. G., 19.9-859
Runoff fluctuations
Melin, R., 19.9-861
Runoff forecasting
Kharchenko, S. I., 19.9-230
Runoff forecasting techniques
Subbotin, A. I., 19.9-243
Runoff forecasts
Sotirov, A., 19.9-242
Runoff formation
Sotirov, A., 19.9-242
Runoff from cultivated fields
Markocheva, K. M.,19.8-787
Runoff from small watersheds
Kohnke, R. E., 19.5-768
Runoff models
Nederlandse Centrale Organisatie voor Toegepast-Natuurwet. Onderz. Com. voor Hydrol. Onderz., 19.8-22
Runoff–precipitation relationships
Drissel, J. C. et al., 19.9-858
Runoff process studies
Nederlandse Centrale Organisatie voor Toegepast-Natuurwet. Onderz. Com. voor Hydrol. Onderz., 19.8-22
Runoff regime
Mandadzhiev, D., 19.8-786
Runoff–soil relationships
Nederlandse Centrale Organisatie voor Toegepast-Natuurwet. Onderz. Com. voor Hydrol. Onderz., 19.8-22
Skakal'şkii, B. G., 19.10-793
Kazo, B., 19.12-819
Runoff variation estimation
Bykov, V. D. et al., 19.1-16
Runoff variations
Petersen, Z. I. et al., 19.7-833
Mandadzhiev, D., 19.8-786
Runoff water composition
Epstein, E. et al., 19.12-812
Runway visual range
Aleksaniants, S. M. et al., 19.5-39
Olbers, W., 19.6-455
Runway visual range measurement techniques
Smith, D. P., 19.9-82
Russian rain gages
Konstantinov, A. R. et al., 19.10-144
Rye culture
Cummins, D. G. et al., 19.5-48
"Ryofu-Maru II"
Akamatsu, H., 19.2-523

S

S_D–variations
Danilov, A. A. et al., 19.3-471
Sq current system
Bencze, V. P., 19.2-339
Hutton, R., 19.4-423
Szczypa, S., 19.5-494
Davidson, M. J. et al., 19.8-574
Cloutier, P. A. et al., 19.9-576
Matsushita, S., 19.12-497
Sq currents
Kamiyama, H., 19.4-426
Kato, Y. et al., 19.4-427
Sq variations
Afraimovich, E. B. et al., 19.2-442
Bazarzhapov, A. D. et al., 19.2-443
Mishin, V. M. et al., 19.3-448
Nemtsova, E. I., 19.3-467
Mikerina, N. V., 19.3-468
Gupta, B. R. D., 19.3-470
Szczypa, S., 19.5-494
Fanselau, G., 19.7-596
Sugiura, M., 19.11-571
Sailing directions
U. S. Naval Oceanog. Off., 19.10-63, 64, 65, 66
Sailing weather
Coles, K. A., 19.12-6
Saint Severin Meteorite
Tobailem, J. et al., 19.5-584
St. Venant's equations
Koren', V. I. et al., 19.3-715; 19.9-863
Saline water treatment
Brian, P. L. T. et al., 19.4-636
Weir, Westgarth, Ltd., London, 19.4-639
Salinity anomalies
Krause, G. et al., 19.6-674
Salinity calculations
Simonov, A. I. et al., 19.4-677
Salinity data
Gilbert, W. et al., 19.8-705
Wyatt, B. et al., 19.8-706
Hollister, H. J., 19.8-735
Vladimirov, O. A. et al., 19.11-734
L'vov, V. P., 19.12-700
Salinity data analysis
Rybnikov, A. A., 19.4-675
Salinity definition
Joint Panel on Oceanographic Tables and Standards, Berne, Oct. 1967, 19.10-730
Salinity distribution
Fisher, A., Jr., 19.1-566
Garner, D. M., 19.1-567
Tsuchiya, M., 19.9-775
Dean, E. K., 19.9-786
Salinity distribution in river waters
Minami, I., 19.7-802
Salinity measurement techniques
Rusby, J. S. M., 19.1-539
Dean, E. K., 19.9-786
Salinity of bottom waters
Panfilova, S. G., 19.5-679
Salinity of lake water
Shpaikher, A. O., 19.2-596
Salinity of rainwater
Banerji, P. et al., 19.6-403
Salinity of sea ice
Bennington, K. O., 19.4-706
Serikov, M. I., 19.4-710
Tsurikov, V. L., 19.5-711
Blinov, L. K., 19.12-727
Weeks, W. F. et al., 19.12-766
Salinity of sea water
La Violette, P. E. et al., 19.2-545
La Violette, P. E., 19.5-643
Zharov, V. L., 19.7-77
Blinov, L. K., 19.12-727

Salinity profiles
Roden, G. I., 19.6-672
Salinity regime
Fisher, A., Jr., 19.1-566
La Violette, P. E. et al., 19.10-721, 722; 19.12-728
Salinity structure
Stommel, H. et al., 19.5-669
Salinity variations
Bumpus, D. F., 19.5-680
Mosetti, F., 19.9-788
Salinometers
Fisher, A., Jr., 19.1-532
Van Landingham, J. W., 19.9-751
Salt discharges
Grigor'ev, Iu. A., 19.2-550
Salt nuclei determination
Slatinskii, Iu. G., 19.11-718
Sand transport
Kolp, O. et al., 19.1-11
Sand transport along shore
Iurkevich, M. G. et al., 19.10-753
Sand transport by waves
Murray, S. P., 19.4-685
Iurkevich, M. G. et al., 19.10-753
Sand transport by wind
Byrne, R. J., 19.6-337
Santa Ana winds
Helvey, R. A., 19.7-345
Saratov Meteorite
Lopukhin, A. S., 19.11-661
Satellite acceleration
Fea, K., 19.6-134
Satellite albedo measurements
Lovett, J. et al., 19.2-205
Arking, A. et al., 19.5-219
Ruff, I. et al., 19.7-305
Pearson, D. B., Jr. et al., 19.10-128
Satellite applications to World Weather Watch
Internatl. Counc. of Sci. Unions. (COSPAR), 19.8-37
Satellite attitude determination
Bodner, V. A. et al., 19.4-560
Sagalyn, R. C. et al., 19.10-650
Satellite balloons
Stenlund, S. J. et al., 19.5-102
Smith, D. E. et al., 19.6-555
Satellite bibliographies
U. S. Natl. Aero. & Space Adm., 19.12-40
Satellite-borne infrared spectrometers
Santa Barbara Research Center, Goleta, Calif., 19.10-134
Satellite-borne instruments calibration
Saiedy, F. et al., 19.8-621
Satellite brightness
Knudsen, W. C. et al., 19.10-647
Satellite calorimetric measurements
Millard, J. P., 19.9-649
Satellite charged particle measurements
O'Brien, B. J., 19.1-93
Leadabrand, H. L. et al., 19.2-402
Freeman, J. W., Jr. et al., 19.2-470
O'Brien, B. J., 19.3-514
Quenby, J. J., 19.3-515
Hoffman, R. A., 19.4-552
Evans, J. E. et al., 19.5-517
Maehlum, B. N., 19.10-564
Frank, L. A., 19.10-628
Satellite cloud band observations
Beran, D. et al., 19.10-364
Satellite cloud data analysis
Lobanova, V. Ia., 19.11-441
Satellite cloud observations
Fraedrich, K., 19.8-281
Minina, L. S. et al., 19.8-299
Zamorskii, A. D. et al., 19.8-300
Freeman, J. C., Jr., 19.9-241
Satellite cloud pattern photographs
Nature, London, 19.10-126
Satellite cloud photograph analysis
Fridman, Iu. S., 19.1-87
Viezee, W. et al., 19.2-255
Thompson, A. H. et al., 19.3-58
Fritz, S. et al., 19.3-81
Trubnikov, B. N., 19.3-255
Bonner, W. D. et al., 19.5-107
Kornfield, J. et al., 19.5-114
Musaelian, Sh. A. et al., 19.6-135
Lanterman, W. S., Jr. et al., 19.9-122
Lee, R. et al., 19.9-495
Aerojet-General Corp., El Monte, Calif. Space-General Div., 19.10-121
Barrett, E. C., 19.10-122
James, D. G., 19.10-407
Fujita, T. et al., 19.11-444
Satellite cloud photograph synoptic analysis
Haupt, I., 19.1-89
Leonov, N. G. et al., 19.4-329
Bakhtin, M. G. et al., 19.5-106
Dombkovskaia, E. P., 19.5-109
Musaelian, Sh. A. et al., 19.5-118
Popova, T. P. et al., 19.5-120
Rutherford, G. T., 19.6-162
Bunsch, Z., 19.6-163
Buschner, W., 19.6-280
Bohan, W. A., Co., Park Ridge, Ill., 19.8-103
Hayden, C. M., 19.8-171
Tsuchiya, K. et al., 19.8-425
Streten, N. A., 19.9-325
Satellite cloud photographs
Blackmer, R. H., Jr. et al., 19.3-76
U. S. Environmental Data Service, 19.3-83
Vederman, J. et al., 19.3-280
Lyons, W. A., 19.5-298
Regula, H., 19.6-383
Golden, J. H., 19.6-384
Satellite cloud photography
Bristor, C. L., 19.9-645
Gottwald, A., 19.11-440
Satellite color photography
Suomi, V. E. et al., 19.11-606
Satellite communication
Colavito, C., 19.8-76
Internatl. Radio Consultative Comm., 19.8-104
Aurejac, J. F. et al., 19.8-617
Ricardi, L. J., 19.10-218
Albrecht, H. J., 19.10-510
Kalil, F., 19.10-659
Soicher, H. et al., 19.11-604
Philco Corp. Systems Tech. Center, Arlington, Va., 19.12-54
Brown, R., 19.12-562
Satellite cosmic radio noise investigations
Internatl. Radio Consultative Comm., 19.11-614
Satellite cosmic ray measurements
Grigorov, N. L. et al., 19.1-411
Dorman, L. I., 19.1-415
Grigorov, N. L. et al., 19.1-418
Volodichev, N. N. et al., 19.1-423
Vernov, S. N. et al., 19.3-440
Kizhevskii, B. M. et al., 19.4-486
Brunt, P. et al., 19.6-133
Shavrin, P. I. et al., 19.6-137
Fan, C. Y. et al., 19.7-567
Zlotin, G. N. et al., 19.10-599
Satellite cosmic ray observation techniques
Grigorov, N. L. et al., 19.1-88
Satellite data
Haupt, I., 19.1-89
Satellite data analysis
Guier, W. H., 19.5-111
Millard, J. P., 19.9-649
Satellite data catalogs
Allied Research Associates,

Inc., Concord, Mass., 19.2-88
Satellite data processing
  Konstantinova, V. G. et al., 19.4-563
  Barret, E. C., 19.7-134
  Rubin, L., 19.8-620
Satellite data recovery
  Internatl. Radio Consultative Comm., 19.8-104
  Rubin, L., 19.8-620
  Nelson, D. F., 19.9-650, 651
  Telcom, Inc., McLean, Va., 19.11-607
Satellite data utilization
  Taenczer, T., 19.1-95
Satellite density measurements
  Martelli, G. et al., 19.1-67
  Moe, K. et al., 19.9-253
Satellite design
  Brunt, P. et al., 19.6-133
Satellite development
  Campbell, F. P., 19.3-79
  Corliss, W. R., 19.8-5
Satellite differential Doppler-Fizeau effect measurements
  De Vaublanc, B., 19.2-347
Satellite drag
  Priester, W. et al., 19.1-94
  Roemer, M., 19.5-502
  Anderson, A. D., 19.6-132
  Fea, K., 19.6-134
Satellite drag analysis
  Jacchia, L. G. et al., 19.10-186
Satellite electric field measurements
  Scarf, F. L. et al., 19.9-565
Satellite electron content measurements
  Ross, W. J. et al., 19.6-500
Satellite electron density measurements
  Lin, R. P., 19.9-594
Satellite electron observations
  Milton, D. W. et al., 19.5-439
  Brunstein, K. A., 19.5-442
  Tverskaia, L. V. et al., 19.5-522
  Vasyliunas, V. M., 19.8-270
  Galperin, Iu. I. et al., 19.8-591
  Grigorov, N. L. et al., 19.8-622
  Fritz, T. A., 19.10-5
  Harnischmacher, E., 19.10-531
  Sharp, R. D. et al., 19.10-570
  Marbach, J. R. et al., 19.10-625
Satellite electrostatic analyzers
  Sagalyn, R. C. et al., 19.10-650
Satellite environment handbooks
  Brandli, H. W., 19.3-78
Satellite equipment
  Colwell, R. N., 19.8-108
Satellite exospheric investigations
  Stubbs, P., 19.12-86
Satellite exploration of upper atmosphere
  Priester, W. et al., 19.1-94
Satellite gamma radiation measurements
  Vinogradov, A. P. et al., 19.6-592
Satellite geomagnetic field measurements
  Heppner, J. P., 19.3-507
Satellite geomagnetic measurements
  Tiurmina, L. O. et al., 19.7-583
Satellite ground systems
  France. Meteorologie Nationale, 19.2-33
  Radiation, Inc. Radiation Systems Div., 19.7-130
  Internatl. Radio Consultative Comm., 19.8-619
  Radiation Inc., Melbourne, Fla. Radiation Systems Div., 19.10-649
  Eslinger, C. et al., 19.12-84
Satellite hurricane detection
  Hawkins, H. F. et al., 19.2-178
Satellite hurricane observations
  Hawkins, H. F. et al., 19.12-211
Satellite infrared observations
  Allied Research Assoc., Inc., Concord, Mass., 19.1-85
Satellite infrared radiation data
  Allied Research Associates, Inc., Concord, Mass., 19.2-88
Satellite infrared radiation data anaylsis
  Wuerch, D. E., 19.1-96
  Zhvalev, V. F. et al., 19.5-121
  Allison, L. J. et al., 19.5-636
  Pilipowskyi, S., 19.8-105
Satellite infrared radiation measurements
  Nordberg, W., 19.10-127
  Kuhn, P. M., 19.12-243
Satellite infrared radiation studies
  Knapp, W. W., 19.12-759
Satellite instrumentation
  U. S. Naval Oceanog. Office, 19.6-138
  Barret, E. C., 19.7-134
  Liebert, C. H. et al., 19.9-648
  Nelson, D. F., 19.9-650, 651
  Suomi, V. E. et al., 19.9-659
  Telcom, Inc., McLean, Va., 19.11-607
Satellite instruments
  Corliss, W. R., 19.8-5
Satellite interplanetary dust measurements
  Konstantinov, B. P. et al., 19.1-142
  Nilsson, C. S. et al., 19.1-147
  Alexander, W. M. et al., 19.8-632
  Nazarova, T. N. et al., 19.8-664
Satellite interplanetary magnetic field research
  Ness, N. F. et al., 19.12-566
Satellite interplanetary plasma measurements
  Bridge, H. et al., 19.1-446
Satellite interrogation of automatic weather stations
  Hogan, G. D. et al., 19.5-112
Satellite ion temperature measurements
  Bezrukikh, V. V. et al., 19.4-266
Satellite ionosphere observations
  Rycroft, M. J., 19.10-129
Satellite ionospheric data analysis
  Moss, S. J. et al., 19.12-501
Satellite ionospheric electron density measurements
  Henderson, C. L. et al., 19.3-82
  Basu, S. et al., 19.4-405
  Goodman, J. M., 19.4-420
  Willman, J. F. et al., 19.4-568
  Ross, W. J. et al., 19.6-500
  Narayana Rao, N. et al., 19.7-525
  Rufenach, C. L. et al., 19.7-531
  Donley, J. L., 19.8-503
  Joint Satellite Studies Group, 19.10-534
  Bertin, F. et al., 19.12-466
Satellite ionospheric interaction
  Henderson, C. L. et al., 19.3-82
Satellite ionospheric investigations
  Videberg, J. et al., 19.2-386
  Mass, J. et al., 19.3-394
  Tyagi, T. R., 19.4-454
  Titheridge, J. E. et al., 19.6-506
  Bettinger, R. T. et al., 19.7-164
Satellite ionospheric measurements
  Dyson, P. L., 19.4-416
  Harris, K. K. et al., 19.4-422
  Anastassiades, M. et al., 19.11-526

Satellite ionospheric observations
  Barrington, R. E. et al., 19.9-574
  Argence, E., 19.11-527
  Mitiakov, N. A., 19.12-499
Satellite ionospheric studies
  Vassy, E. J., 19.6-508
Satellite lifetime calculation
  Garcia, F., Jr., 19.6-553
Satellite lower atmosphere observations
  Nordberg, W., 19.9-652
Satellite lunar X-radiation measurements
  Mandel'shtam, S. L. et al., 19.2-491
Satellite magnetic field measurements
  Zhuzgov, L. N. et al., 19.11-645
Satellite magnetic measurements
  Doginov, Sh. Sh. et al., 19.1-86
  Ness, N. F., 19.1-91, 92
  Zmuda, A. J., 19.1-405
  Smith, E. J. et al., 19.3-458
  Sonett, C. P. et al., 19.3-554
  Bostroem, R., 19.4-529
  Heppner, J. P. et al., 19.5-455
  Oguti, T., 19.5-457
  Fairfield, D. H., 19.5-467
  Ness, N. F. et al., 19.5-556
  Zmuda, A. J. et al., 19.7-593
  Heuring, F. T. et al., 19.7-594
  Rudneva, N. M., 19.7-614
  Sonnerup, B. U. O. et al., 19.7-615
  Ness, N. F., 19.8-599
  Patel, V. L., 19.10-629
  Heppner, J. P., 19.11-561
Satellite magnetospheric electron measurements
  Malyshev, A. B., 19.10-544
Satellite meteorological data communication
  Philco Corp. Systems Tech. Center, Arlington, Va., 19.12-54
Satellite meteorology
  Barrett, E. C., 19.6-7
  Kondrat'ev, K. Ia. et al., 19.6-63
  Warnecke, G., 19.6-67
  Oliver, V. J., 19.6-136
  Burdecki, F., 19.9-646
  Sternberg, S., 19.9-657
  Cormier, R. V. et al., 19.11-30
  Webb, W. L., 19.12-41
Satellite micrometeorite measurements
  Ferry, G. V. et al., 19.9-692
  Nilsson, C. S. et al., 19.10-691
Satellite motion
  Beletskii, V. V., 19.1-5
  El'iasberg, P. E., 19.5-5
  Burns, R. E., 19.11-601
Satellite navigation
  Scott, D. W. et al., 19.7-634
Satellite neutron observations
  Hess, W. N. et al., 19.4-476
Satellite noctilucent cloud observations
  Witt, G., 19.12-452
Satellite observation of airglow
  O'Brien, B. J., 19.1-93
Satellite observation of airglow intensities
  Sparrow, J. G. et al., 19.7-562
Satellite observation of auroras
  O'Brien, B. J., 19.1-93
  Johnson, R. G. et al., 19.2-399
  Sharp, R. D. et al., 19.7-554
Satellite observation of clouds
  Lyons, W. A. et al., 19.8-426
Satellite observation of Earth's magnetic tail
  Montgomery, M. D., 19.7-591
  Murayama, T. et al., 19.7-616
Satellite observation of geomagnetic tail
  Mihalov, J. D. et al., 19.7-580
  Behannon, K. W., 19.8-566
Satellite observation of intensifying squall line
  Murino, C. J., 19.10-125
Satellite observation of interplanetary shock waves
  Gosling, J. T. et al., 19.4-541
Satellite observation of ionosphere
  Dagaonkar, S. S. et al., 19.7-500
  Jones, K. L., 19.9-590
Satellite observation of magnetic field
  Jokipii, J. R., 19.7-590
Satellite observation of magnetosphere
  Binsack, J. H., 19.2-459
  O'Brien, B. J., 19.3-514
  Quenby, J. J., 19.3-515
  Binsack, J. H. et al., 19.6-545
  Sagalyn, R. C. et al., 19.8-269
  Lyon, E. et al., 19.8-587
  Spreiter, J. R. et al., 19.8-602
Satellite observation of Moon
  Colburn, D. S. et al., 19.3-553
  Dungey, J. W. et al., 19.7-655
  Marwick, C., 19.7-661
  Heacock, R. L., 19.11-631
  Shoemaker, E. M., 19.12-588
Satellite observation of noctilucent clouds
  Joseph, J. H., 19.1-338
Satellite observation of radiation belts
  Rothwell, P., 19.3-497
  Brown, W. L. et al., 19.4-526
  Krimigis, S. M. et al., 19.5-510
  Frank, L. A. et al., 19.6-539
Satellite observation of solar energy
  Kovalevskii, I. V., 19.8-669
Satellite observation of solar radiation
  Brunt, P. et al., 19.6-133
Satellite observation of thermosphere
  Marov, M. Ia., 19.10-204
Satellite observation of tropical disturbances
  Simpson, R. H. et al., 19.8-302
Satellite observation of Venus
  Stewart, R. W., 19.12-600
Satellite observation of VLF emissions
  Gurnett, D. A., 19.7-488
  Egeland, A. et al., 19.11-592
Satellite observations
  Rosen, A. et al., 19.8-592
  Kovalevskii, I. V., 19.8-598
  Belmont, A. D. et al., 19.9-272
  Van Loon, H. et al., 19.9-660
  Raschke, E., 19.11-337
Satellite observations of geopotential height
  Allan, R. R. et al., 19.11-304
Satellite orbit analysis
  King-Hele, D. G. et al., 19.2-254
  Guier, W. H., 19.5-111
  Kozai, Y., 19.5-534
  Newton, R. R., 19.7-138
  King-Hele, D. G. et al., 19.8-253
  Gooding, R. H., 19.8-618
  Knudsen, W. C. et al., 19.10-647
  Arnold, K., 19.11-597
  Cook, A. H., 19.11-598
  Kaula, W. M., 19.11-599
  King-Hele, D. G. et al., 19.11-600
  Kaula, W. M., 19.12-590
Satellite orbit calculations
  Kazantsev, A. N. et al., 19.1-160
  Gooding, R. H., 19.5-110
  King-Hele, D. G., 19.5-113
  Freund, R. B., 19.7-136
Satellite orbit decay
  Anderson, A. D., 19.6-132
  Freund, R. B., 19.7-136
Satellite orbit determination
  Merson, R. H., 19.7-633
Satellite orbit dynamics
  Degtiarev, V. G., 19.5-108
  Burns, R. E., 19.11-601
Satellite orbit observation
  Scott, D. W. et al., 19.7-634
Satellite orbit perturbations
  Allan, R. R., 19.8-616

Satellite orbit prediction
Smith, D. E. et al., 19.6-555
Freund, R. B., 19.7-136
Satellite orbit variations
Benson, R. H. et al., 19.7-631
Cook, G. E. et al., 19.7-632
Challinor, R. A., 19.10-201
Satellite orbital motions
Akim, E. L., 19.11-644
Satellite orbital studies
Jacchia, L. G., 19.11-276
Satellite orbits
El'iasberg, P. E., 19.5-5
Adams, J. D., Jr., 19.7-630
Satellite orientation determination
Beletskii, V. V. et al., 19.4-559
Satellite outgoing radiation measurements
Kondrat'ev, K. Ia. et al., 19.1-216
Lebedinskii, A. I. et al., 19.1-217
Zhvalev, V. F. et al., 19.1-219, 220
Lebedinskii, A. I. et al., 19.8-335
Pearson, D. B., Jr. et al., 19.10-128
Satellite performance analysis
Nature, London, 19.5-119
Wildman, P. J. L., 19.6-139
Satellite photograph analysis
Davydov, V. D., 19.3-559
Doron, E. et al., 19.6-356
Pelissier, J. M., 19.9-653
Smith, A. H., 19.9-655
Lipskii, Iu. N. et al., 19.11-638
Satellite photograph rectification
Solov'ev, V. I. et al., 19.4-566
Satellite photographs
Haupt, I., 19.1-89
Beran, D. W., 19.3-258
Cormier, R. V., 19.3-534; 19.5-531
Satellite photographs of Earth
U. S. Natl. Aero. and Space Admin., 19.1-9
U. S. Natl. Environmental Satellite Center, 19.1-23
Lowman, P. D., Jr., 19.6-554
Doyle, F. J., 19.12-563
Satellite photographs of ocean currents
La Violette, P. E. et al., 19.1-563
Satellite photography
Cronin, J. F. et al., 19.6-600
Smith, A. H., 19.9-655
Kress, C., 19.11-173
Suomi, V. E. et al., 19.11-606
Satellite photography analysis
Kikuchi, K. et al., 19.10-124
Satellite photography transmission
Vermillion, C. H., 19.9-661
Satellite programs
Holter, M. R., 19.10-641
Satellite proton measurements
Armstrong, T. P. et al., 19.4-527
Kahler, S. W. et al., 19.4-532
Satellite radar techniques
Rutiser, S. J. et al., 19.6-64
Satellite radiation data analysis
Zhvalev, V. F. et al., 19.1-220
Ninomiya, K., 19.2-280
Chekirda, A. Z. et al., 19.3-59
Belmont, A. D. et al., 19.7-327
Shen, W. C. et al., 19.8-364
Smith, W. L., 19.10-87
Fujita, T. et al., 19.10-89
Warnecke, G. et al., 19.10-307
Satellite radiation data synoptic analysis
Belov, P. N. et al., 19.3-77
Rutherford, G. T., 19.6-162
Merritt, E. S. et al., 19.12-85
Satellite radiation measurements
Moeller, F., 19.1-203
Winston, J. S. et al., 19.4-247
Van der Ham, C. J., 19.9-357
Murino, C. J., 19.10-125
Barth, C. A., 19.12-222
Schuepp, W., 19.12-237
Satellite radiation measurements—atmospheric moisture content relationships
Thompson, A. H. et al., 19.9-355
Satellite radiation observations
Mandel'shtam, S. L. et al., 19.11-632
Satellite radiation studies
Merritt, E. S. et al., 19.12-85
Satellite radio noise measurements
Storey, O. et al., 19.9-658
Bauer, S. J. et al., 19.12-543
Satellite radio signal reception
Legg, A. J. et al., 19.2-63
Satellite radio signals transmission in ionosphere
Tucker, A. J. et al., 19.12-56
Satellite radio transmission in auroral ionosphere
Fremouw, E. J., 19.8-540
Satellite radio transmission propagation
Bullough, K. et al., 19.10-123
Satellite radio transmission scintillation
Liu, C. H., 19.1-376
Aarons, J. et al., 19.6-474
Kaiser, A. B. et al., 19.6-491
Jespersen, J. L., 19.8-511
Aurejac, J. F. et al., 19.8-617
Weiffenbach, G. C., 19.10-130
Slack, F. F., 19.10-556
Whitney, H. E. et al., 19.10-561
Fremouw, E. J., 19.11-537
Satellite radio transmissions in ionosphere studies
Basu, S., 19.2-336
Bischoff, K., 19.2-340
Videberg, J. et al., 19.2-386
Satellite reentry problems
Samir, U., 19.12-564
Satellite research
Kasha, M. A. et al., 19.1-90
Campbell, F. P., 19.3-79
Duerr, F., 19.3-80
Widger, W. K., Jr., 19.4-34
Wildman, P. J. L., 19.6-139
Burdecki, F., 19.9-646
Millard, J. P., 19.9-649
Rackliff, P. G., 19.11-595
Royal Society of London, 19.12-37
Spaceflight, London, 19.12-38
Satellite research and development
McQuain, R. H., 19.11-68
Satellite sea surface measurement techniques
Cox, C., 19.7-348
Satellite snow cover photographs
Barnes, J. C. et al., 19.7-432
Satellite solar observations
Brunt, P. et al., 19.6-133
Goldberg, L., 19.11-670
Satellite solar radiation observations
Takao, K., 19.9-383
Satellite solar spectral observations
Rugge, H. R. et al., 19.8-687
Satellite solar wind measurements
Lyon, E. F. et al., 19.5-528
Hundhausen, A. J. et al., 19.11-590
Satellite solar X-ray emission measurements
Gregory, B. N. et al., 19.1-501
Arnoldy, R. L. et al., 19.5-593
Van Allen, J. A., 19.6-618
Arnoldy, R. L. et al., 19.7-564
Watts, R. N., Jr., 19.11-672
Satellite solar X-ray observations
Landini, M. et al., 19.9-252
Satellite spin rate determination
Beletskii, V. V. et al., 19.4-559
Satellite symposia
Rackliff, P. G., 19.11-595

Satellite television observation techniques
  Barret, E. C., 19.7-134
Satellite temperature measurements
  Gringauz, K. I., 19.8-355
Satellite tracking
  Hewitt, J., 19.4-561
  Gooding, R. H., 19.5-110
  McInnes, B., 19.5-535
  Gooding, R. H., 19.8-618
Satellite tracking of GHOST balloons
  Lally, V. E., 19.9-165
Satellite tracking stations
  Murray, W. A. S., 19.4-565
  Whipple, F. L. et al., 19.4-567
  Hopkins, H. G., 19.5-532
Satellite transmission of buoy data
  ESSA World, Rockville, Md. Oct. 1967, 19.3-67
  Baeth, J. G., 19.4-97
  Wasserman, L. P., 19.9-662
Satellite ultraviolet measurements
  Gundersen, N. A., 19.9-374
Satellite upper atmosphere observations
  Izakov, M. N., 19.9-275
Satellite uses
  Duerr, F., 19.3-80
  Sallee, R. W., 19.4-102
  Rutiser, S. J. et al., 19.6-64
  Gatland, K. W., 19.7-137
Satellite uses in geodesy
  Willman, J. F. et al., 19.4-568
  Williams, O. W., 19.5-537
  Weiffenbach, G. C., 19.10-130
  U. S. Natl. Aero. and Space Adm., 19.11-609
  Doyle, F. J., 19.12-563
Satellite uses in geology
  Lowman, P. D., Jr., 19.6-554
Satellite uses in hydrology
  Oliver, V. J., 19.6-136
  Block, P., 19.9-644
Satellite uses in marine meteorology
  Robinson, G. D., 19.6-99
Satellite uses in meteorology
  Meteorologiia i Gidrologiia, Moscow, 19.5-117
  Kondrat'ev, K. Ia. et al., 19.6-63
  Warnecke, G., 19.6-67
  Oliver, V. J., 19.6-136
  Spohn, C. A., 19.9-656
Satellite uses in navigation
  Willman, J. F. et al., 19.4-568
  Ocean Industry, Texas, 19.6-65
  Ehrlich, E., 19.9-90
  Roese, D. W., 19.9-91
Satellite uses in oceanography
  Oliver, V. J., 19.6-136
  Wasserman, L. P., 19.9-662
Satellite uses in radio astronomy
  Findlay, J. W., 19.6-572
Satellite uses in weather forecasting
  Morskoi, G. T. et al., 19.4-154
  McClain, E. P., 19.5-116
  Musaelian, Sh. A. et al., 19.5-118
  Rutherford, G. T., 19.6-162
  Davis, W. O. et al., 19.9-647
Satellite whistler observations
  Carpenter, D. L. et al., 19.9-569
Satellite X-ray radiation measurement techniques
  Neshpor, Iu. I., 19.10-702
Saturated vapor tension variations
  Lapteva, L. M., 19.7-270
Saturn models
  DeMarcus, W. C., 19.3-564
Saturn rockets
  Marwick, C., 19.5-105
  Wells, C. R. et al., 19.7-133
Saturn satellites
  Bowell, E. L. G. et al., 19.9-689
Saturn's atmospheric circulation
  Koschmieder, E. L., 19.7-673
Saturn's disk
  Lenham, A. P., 19.3-572
Saturn's meteorology
  Lenham, A. P., 19.3-572
Saturn's rings
  Lenham, A. P., 19.3-572
  Bolkvadze, O. R., 19.12-603
  Bobrov, M. S., 19.12-607
Saturn's spectra
  Giver, L. P. et al., 19.3-571
Saturn's temperature
  Giver, L. P. et al., 19.3-571
  Epstein, E. E., 19.10-685
Savanna microclimatology
  Frost, D. B., 19.8-461
Scale height measurement techniques
  Martelli, G. et al., 19.1-67
Scattering albedo
  Plass, G. N. et al., 19.9-372
Scattering by aerosols
  Raskin, V. F., 19.1-334, 335
  Shifrin, K. S. et al., 19.1-336
  Mikirov, A. E., 19.2-140
  Quenzel, H., 19.10-297
Scattering by haze
  Foitzik, L. et al., 19.12-451
Scattering by particles
  Powell, R. S. et al., 19.4-386
Scattering coefficient
  Shahrokhi, F. et al., 19.8-340
Scattering coefficient calculations
  Bakhtiiarov, V. G., 19.12-323
Scattering coefficient variations
  Rozenberg, G. V. et al., 19.9-553
Scattering from ice spheres
  Irvine, W. M., 19.1-288
Scattering from water drops
  Shifrin, K. S. et al., 19.1-308, 309
Scattering function
  Shahrokhi, F. et al., 19.8-340
  Foitzik, L. et al., 19.12-451
Scattering index
  Shifrin, K. S. et al., 19.1-308
  Raskin, V. F., 19.1-334, 335
  Shifrin, K. S. et al., 19.1-336
Scattering of laser beams
  Leonard, D. A., 19.4-67
  Sandford, M. C. W., 19.4-194
  Reisman, E. et al., 19.5-361
Scattering of light
  Beasley, J. K. et al., 19.4-385
  Rozenberg, G. V., 19.4-387
  Sherman, G. C. et al., 19.8-466
  Kabanov, M. V. et al., 19.10-489
  Ivanov, A. P. et al., 19.11-513
Scattering of light textbooks
  Shifrin, N. S., 19.6-2
Scattering of light through fog
  Reisman, E. et al., 19.5-361
Scattering of radiation
  Bellman, R. et al., 19.6-303
Scattering theories
  Shahrokhi, F. et al., 19.8-340
Scavenging by rain
  Rosinski, J., 19.3-350
  Starr, J. R., 19.4-364
Schoolroom microclimatology
  Korenevskaia, E. I. et al., 19.5-346
Schumann resonances
  Fournier, H., 19.9-578
Science conferences
  Johns Hopkins Univ., Baltimore. Center for Research in Scientific Communication, 19.4-21
  Pakistan Sci. Conf., 18/19, Jamshoro, 1967, 19.10-16
Science congresses
  U. S. Office of Naval Research, 19.5-32
Science in government
  U. S. Office of Naval Research, 19.5-32
Scientific documentation
  Brown, W. S. et al., 19.4-20
Scientific education
  Skinner, B. F., 19.11-71
Scientific information systems
  Brown, W. S. et al., 19.4-20

Johns Hopkins Univ., Baltimore. Center for Research in Scientific Communication, 19.4-21
Smith, F. D., Jr., 19.4-22
Scientific organizations
Internatl. Counc. of Sci. Unions, Rome, 19.9-45
U. S. Goddard Inst. for Space Studies, N.Y., 19.11-66
Scientific periodicals
Brown, W. S. et al., 19.4-20
Journal of Scientific & Industrial Research, New Delhi, 19.11-73
Scientific research
Internatl. Counc. of Sci. Unions, London, 19.8-44
Scientific research and development
NATO. Div. of Scientific Affairs, 19.8-36
Nature, London, 19.11-67
Scientific research bibliographies
Internatl. Assoc. of Sci. Hydr., 19.7-45
Scintillation effects
Fried, D. L. et al., 19.1-333
Scintillation index curve
Dem'ianenko, L. N. et al., 19.12-450
Scintillation intensities
Paperlein, D., 19.3-364
Scintillation sources
Dem'ianenko, L. N. et al., 19.12-450
Sd, *see* Sd as acronym
Sea-air boundary processes
Yoshihara, H., 19.12-734
Sea breeze circulation
Gill, D. S., 19.9-444
Sea breeze fronts
Simpson, J. E., 19.1-260
Sea breeze hodographs
Gill, D. S., 19.9-444
Sea breeze influences on coastal climate
Stoenescu, St. M. et al., 19.12-250
Sea breeze models
Facilities for Atmospheric Research, Boulder, 19.5-245
Sea breeze structure
Simpson, J. E., 19.1-260
Sea breeze studies
Facilities for Atmospheric Research, Boulder, 19.5-245
Sea breezes
Schroeder, M. J., 19.4-239
Sea current distribution
Tolmazin, D. M., 19.10-738
Sea current effects on sound propagation
Wolff, P. M. et al., 19.9-763
Sea current measurements
Burns, D. A., 19.12-708
Sea current studies
Wilkerson, J. C., 19.9-784
Pyrkin, Iu. G. et al., 19.12-723
Sea currents
Engel, I., 19.3-648
Maizuru, Japan. Marine Observ., 19.9-741
Bogdanova, A. K. et al., 19.9-778
Sea Environmental Acquisition System (SEAS)
Denton, R. F. et al., 19.9-744
Sea fog formation
Hoehn, R., 19.1-291
Sea ice
Wilson, J. T., 19.12-767
Sea ice–air temperature relationships
Kupetskii, V. N., 19.1-26
Sea ice breakup
Peschanskii, I. S., 19.12-760
Sea ice calculations
Tiutnev, Ia. A., 19.4-713
Khrol, V. P., 19.7-759
Sea ice charts
Denmark. Met. Inst., 19.8-746
Sea ice conditions
Azernikova, O. A., 19.2-221
Walmsley, J. L., 19.4-679
Jelly, K. C. P. et al., 19.4-705
Canada. Met. Branch, 19.5-704
Regentovskii, V. S., 19.6-705
Denmark. Met. Inst., 19.8-746
Moyer, W. J., 19.8-747
Buzuev, A. Ia. et al., 19.10-173
U. S. Naval Oc. Off., 19.12-750
Dunbar, M., 19.12-755
Watanabe, K., 19.12-765
Sea ice data
Denmark. Met. Inst., 19.8-746
Canada. Met. Branch, 19.11-747
Sea ice density
Serikov, M. I., 19.4-710
Sea ice distribution
Bulgakov, N. P., 19.2-577
Murzin, A. I. et al., 19.6-703
Dunbar, M., 19.12-755
Watanabe, K., 19.12-765
Sea ice forecasting
Tiutnev, Ia. A., 19.4-713
Kan, S. I., 19.5-706
Volkov, N. A. et al., 19.5-707
U. S. Naval Oceanog. Off., 19.6-706
Kan, S. I. et al., 19.8-186
U. S. Naval Oc. Off., 19.12-750
Antonov, V. S., 19.12-800
Sea ice formation
Leahey, D. M., 19.4-703
Shamont'ev, V. A., 19.6-683
Leahey, D. M., 19.6-699
Blinov, L. K., 19.12-727
Weeks, W. F. et al., 19.12-766
Sea ice formation conditions
Doronin, Iu. P. et al., 19.2-560, 578
Sea ice mechanical processes
Smirnov, V. N., 19.4-711
Ishida, T., 19.11-749
Ross, B., 19.12-761
Volkov, N. A. et al., 19.12-764
Sea ice melting
Peschanskii, I. S., 19.12-760
Sea ice micrometeorology
Pounder, E. R. et al., 19.2-317
Sea ice observations
U. S. Naval Oceanog. Office, 19.5-705; 19.6-696; 19.8-748
Barber, F. G., 19.9-800
Sea ice properties
Baranov, G. I., 19.2-576
Smirnov, V. N., 19.4-711
Weeks, W. F. et al., 19.4-714
Chapman, R. P. et al., 19.6-700
Addison, J. et al., 19.12-753
Assur, A., 19.12-754
Fujino, K., 19.12-757, 758
Ross, B., 19.12-761
Sea ice reconnaissance
Bushuev, A. V. et al., 19.1-576
Sea ice regime
Nazintsev, Iu. L., 19.4-704
Sea ice strength
Baranov, G. I., 19.2-576
Weeks, W. F. et al., 19.4-714
Kashtelian, V. I. et al., 19.6-701
Smirnov, V. I., 19.6-709
Ishida, T., 19.11-749
Abele, G. et al., 19.12-391
Assur, A., 19.12-754
Dykins, J. E., 19.12-756
Tabata, T., 19.12-762
Tabata, T. et al., 19.12-763
Sea ice strengths backscattering
Chapman, R. P. et al., 19.6-700
Sea ice structure
Volkov, N. A. et al., 19.12-764
Sea ice temperatures
Waller, G. et al., 19.12-232
Sea ice thickness measurement techniques
Schwerdtfeger, P., 19.7-761
Voevodin, V. A. et al., 19.11-754
Sea ice variations
Zakharov, V. F., 19.4-716

  Sorkina, A. I. et al., 19.11-319
Sea level calculations
  Kirillov, I. F., 19.4-299
  German, V. Kh. et al., 19.4-624
  Alekseev, G. V. et al., 19.10-718
Sea level changes
  Antonov, V. S., 19.11-710
Sea level–climate relationships
  Drozdov, O. A., 19.1-535
Sea level control
  Kunin', V. N., 19.5-702
  Antonov, V. S., 19.11-710
  Schmuck, A., 19.11-711
Sea level data
  Finland. Havsforskningsinstitutet, 19.3-613
Sea level fluctuations
  Drozdov, O. A., 19.1-535
  Mustafin, N. V., 19.2-542
  German, V. Kh., 19.4-623
  Alekseev, G. V. et al., 19.10-718
  Josephson, J., 19.10-719
  Haude, W., 19.11-453
  Cartwright, D. E., 19.12-683
  Sturges, W., 19.12-685
Sea level forecasting
  Labzovskii, N. A. et al., 19.6-180
  Mustafin, N. V., 19.11-199
  Rybak, B. Kh., 19.11-200
  Smirnova, K. I. et al., 19.11-202
  Burns, D. A. et al., 19.11-208
Sea level indicators
  Shephard, F. P. et al., 19.6-655
Sea level instruments
  Dimaksian, A. M., 19.11-705
Sea level isotherms
  Burdecki, F., 19.10-30
Sea level measurement techniques
  Mustafin, N. V., 19.2-542
  Dimaksian, A. M., 19.11-705
Sea level–meteorological relationships
  Harvey, J. G., 19.10-751
Sea level muon spectra
  Osborne, J. L. et al., 19.11-557
Sea level observations
  Miyata, M. et al., 19.12-684
Sea level oscillations
  Stoever, P., 19.2-543
  Karklin, V. P., 19.7-733
  Prival'skii, V. E., 19.12-687
Sea level periodicities
  Diubkin, I. A. et al., 19.2-541
  German, V. Kh., 19.4-623
Sea level pressure distribution
  Klein, W. H. et al., 19.1-241
Sea level pressure--500 mb surface height relationships
  Taljaard, J. J., 19.9-418
Sea level pressure forecasting
  Klein, W. H. et al., 19.1-241
Sea level pressures
  Walker, J. M., 19.1-242
  Stocchino, C. et al., 19.9-759
Sea level variations
  Al'tman, E. N., 19.2-540
  Lisitzin, E., 19.3-632
  Jelgersma, S., 19.5-641
  Campbell, I. B. et al., 19.6-653
  Schmuck, A., 19.11-711
  Lamb, H. H., 19.12-229
Sea level variations–pressure anomalies relationships
  Maximov, I. V., 19.12-200
Sea salt conductance
  Connors, D. N. et al., 19.9-760
Sea salt nuclei
  Spurny, K. R. et al., 19.9-489
Sea salt nuclei distribution
  Tanaka, M., 19.3-277
  Randall, R. E., 19.10-403
Sea salt nuclei measurement techniques
  Toba, Y., 19.3-278
  Randall, R. E., 19.10-403
Sea salt particle transport
  Tanaka, M., 19.3-277
Sea sediment observations
  Blaszczyk, B., 19.9-824
Sea-shore interaction
  Hume, J. D. et al., 19.1-570
Sea surface roughness
  Paszkiewicz, C., 19.10-752
Sea surface roughness effects on hovercraft
  Hogben, N., 19.9-792
Sea surface slopes
  Al'tman, E. N., 19.2-540
  Lisitzin, E., 19.3-632
Sea surface temperature analysis
  Wolff, P. M. et al., 19.8-187
  Wolff, P. M., 19.11-193
Sea surface temperature calculations
  Ovsiannikov, A. N., 19.8-737
Sea surface temperature charts
  U. S. Naval Oceanographic Office, 19.3-611
  Denmark. Met. Inst., 19.8-734
Sea surface temperature data
  Miller, F. R. et al., 19.4-606
  Brandhorst, W. et al., 19.8-732
  Hollister, H. J., 19.8-735
Sea surface temperature data analysis
  Frye, H. W., 19.12-729
Sea surface temperature distribution
  Drennan, K. L., 19.4-676
  Jordan, C. L., 19.5-678
  Dean, E. K., 19.9-786
  Frye, H. W., 19.12-729
Sea surface temperature effects on circulation
  Kryndin, A. N., 19.8-736
Sea surface temperature forecasting
  Wolff, P. M. et al., 19.8-187
  Wolff, P. M., 19.11-193
Sea surface temperature measurement techniques
  Drennan, K. L., 19.4-676
  Allison, L. J. et al., 19.5-636
  Lorenz, D., 19.6-129
  Clark, H. L., 19.8-733
  Beckner, C. F., Jr., 19.9-168
  Dean, E. K., 19.9-786
Sea surface temperature measurements
  Lorenz, D., 19.6-129
  Fujita, T. et al., 19.10-311
Sea surface temperature–precipitation relationships
  Pacquet, E. L., 19.1-236
Sea surface temperature variations
  Tomczak, G., 19.12-732
Sea surface temperatures
  Azernikova, O. A., 19.2-221
Sea surface
  Sturges, W., 19.12-685
Sea temperature anomalies
  Krause, G. et al., 19.6-674
Sea temperature calculations
  Arkhipova, E. G. et al., 19.5-637
  Ovsiannikov, A. N., 19.5-638
  Pomeranets, K. S., 19.5-639
Sea temperature data analysis
  Rybnikov, A. A., 19.4-675
  Ovsiannikov, A. N., 19.5-638
Sea temperature instruments
  Wolff, P., et al., 19.3-653
Sea temperature measurement errors
  Wolff, P. M. et al., 19.3-653
  Rozdzynski, K., 19.5-640
Sea temperature measurement techniques
  Wolff, P. M. et al., 19.3-653
  Kogan, B. A., 19.11-709
Sea temperature measurements
  Hoeller, E., 19.5-673
Sea temperature profile calculations
  Krasiuk, V. S., 19.12-719
Sea temperature profiles
  Kitaigorodskii, S. A. et al., 19.5-664
  Brosin, H. J. et al., 19.12-698
Sea temperature regime
  La Violette, P. E. et al., 19.12-728
Sea temperature structures
  Zharov. V. L., 19.7-77

Sea temperature variations
Mosetti, F., 19.9-788
Dobrzhanskaia, M. A., 19.10-729
Moretskii, V. N. et al., 19.10-731
Sea temperatures
La Violette, P. E. et al., 19.2-545
La Violette, P. E., 19.5-643
Sea water accumulation on ice
Spichkin, V. A., 19.2-552
Sea water analysis
Beliaev, L. I., 19.2-556
Andersen, N. R. et al., 19.6-660
Dyrssen, D. et al., 19.6-661
Bogdanova, A. K. et al., 19.9-767
Burton, J. D. et al., 19.9-768
Bogdanova, A. K. et al., 19.9-778
Bada, J. L. et al., 19.10-728
Martin, D. F., 19.12-26
Swinnerton, J. W. et al., 19.12-704
Liakhin, Iu. I., 19.12-707
Sea water biochemistry
Aizatullin, T. A., 19.1-549
Sea water chemistry
Sillen, L. G., 19.9-774
Norina, A. M., 19.12-701
Sea water circulation
Nowlin, W. D., Jr. et al., 19.1-560
Sea water color
Arsen'ev, V. S. et al., 19.12-693
Sea water composition
Alekin, O. A., 19.1-545
Volostnyzh, B. V. et al., 19.1-546
Connors, D. N., 19.2-544
Beliaev, L. I., 19.2-556
Rotschi, H., 19.9-770
Dobrzhanskaia, M. A., 19.10-729
Akiyama, T., 19.11-714
Alekseev, L. M., 19.11-715
Park, K., 19.12-702
Sea water composition data
L'vov, V. P., 19.12-700
Sea water conductivity
Connors, D. N., 19.2-544
Sea water constituents
Schindler, P. W., 19.9-773
Sea water contamination
Chiriac, V., 19.8-723
Sea water conversion techniques
Hickman, K., 19.6-735
Sea water density
Chanslor, J. W., 19.1-537
Connors, D. N., 19.2-544
La Violette, P. E. et al., 19.2-545
La Violette, P. E., 19.5-643
La Violette, P. E. et al., 19.10-721, 722
Cheredilov, B. F., 19.11-415
La Violette, P. E. et al., 19.12-728
Sea water density–conductance relationships
Connors, D. N. et al., 19.9-760
Sea water density distribution
Zats, V. I., 19.10-723
Tolmazin, D. M., 19.10-738
Sea water desalination
Safford, G. J. et al., 19.9-772
Sea water effects on lake water
Shul'gina, E. F., 19.7-791
Sea water freezing
Foster, T. D., 19.9-794
Sea water intrusion in fresh water
Dyer, K. L. et al., 19.7-751
Sea water mixing
Hirano, T., 19.3-645
Georgiev, Iu. A., 19.10-740
Zats, V. I., 19.10-742
Cheredilov, B. F., 19.11-728
Sea water optics
Drummeter, L. F., Jr. et al., 19.8-719
Stilwell, D., 19.9-762
Arsen'ev, V. S. et al., 19.12-693
Ivanov, A. P., 19.12-694
Sea water pollution
Hirano, T., 19.3-645
Bodvarsson, G., 19.3-646
Zats, V. I., 19.10-723
Cheredilov, B. F., 19.11-728
Sea water properties
Grigor'ev, Iu. A., 19.2-550
Gohs, L., 19.11-713
Sea water properties–pressure distribution relationships
Wennekens, M. P., 19.10-317
Sea water properties–tuna distribution relationships
Zharov, V. L., 19.7-77
Sea water purification
Howe, E. D., 19.2-193
Stearns-Rogers Manufacturing Co., Denver, Colo., 19.4-638
Fabuss, B. M. et al., 19.8-725
Fluor Corporation, Ltd., Los Angeles, Calif., 19.8-726
Latini, R. G. et al., 19.8-727
Christian, S. D. et al., 19.9-17
Sea water purification techniques
Hupfer, P., 19.2-553
Shwartz, J. et al., 19.10-732
Sea water salinity
Morcos, S. A., 19.11-716
Brosin, H. J. et al., 19.12-698
Sea water salinity data
Baryshevskaia, G. I., 19.11-726
Fedorova, Z. P., 19.12-709
Sea water salinity distribution
Moretskii, V. N. et al., 19.10-731
Sea water salinity measurements
Gostan, J., 19.3-640
Sea water salinity variations
Gostan, J., 19.3-640
Sea water samplers
Heiskell, R. H., 19.1-528
Stel'makh, O. L., 19.6-650
Sea water sampling
Andersen, N. R. et al., 19.7-731
Sea water stratification
Filippov, D. M. et al., 19.12-717
Sea water temperature measurements
Rooney, R. F., 19.11-702
Sea water temperatures
Perry, J. D., 19.8-738
Cheredilov, B. F., 19.10-724
Sea water thermal energy
Tuthill, A. H., 19.8-699
Sea water transparency
Timofeeva, V. A., 19.2-549
Ziegenbein, J., 19.5-650
Arsen'ev, V. S. et al., 19.12-693
Sea water turbidity
Ziegenbein, J., 19.5-650
Sea wave analysis
Navrotskii, V. V., 19.7-753
Sea wave effects on ship performance
Johnson, A. J., 19.7-710
Sea wave effects on vertical mixing
Zats, V. I., 19.10-742
Sea wave energy balance
Stewart, R. W., 19.10-760
Sea wave generation mechanisms
Stewart, R. W., 19.10-760
Sea waves
Vitek, V., 19.10-756
Sea weather forecasting
Verploegh, G., 19.10-67
Seasonal atmospheric circulation
Bradka, J., 19.9-323
Novozhilova, N. I. et al., 19.11-317
Seasonal cosmic ray variations
Dutt, J. C. et al., 19.6-521
Seasonal effects on mortality
Momiyama, M. et al., 19.2-59
Seasonal equatorial electrojet variations
Rao, D. R. K., 19.7-354

Seasonal hail distribution
Katsnelson, J., 19.8-453
Seasonal heat source variations
Ermakov, V. M. et al., 19.10-202
Seasonal hydrologic variations
Fedorova, Z. P., 19.12-709
Seasonal ionospheric variations
Serafimov, K. et al., 19.5-420
Okoye, S. E. et al., 19.6-497
Fraser, G. J., 19.12-478
Seasonal mesospheric temperature variations
Shvidkovskii, E. G. et al., 19.6-315
Seasonal mesospheric wind variations
Shvidkovskii, E. G. et al., 19.6-315
Seasonal ocean current variations
El-Sabh, M. I., 19.11-735
Seasonal precipitation variations
Rhea, J. O., 19.11-246
Seasonal radiation variations
Kubota, I., 19.11-341
Seasonal rainfall distribution
Van Rooy, M. P., 19.9-505
Seasonal runoff forecasting
Chopra, S. D. et al., 19.8-185
Seasonal salinity variations
Gostan, J., 19.3-640
El-Sabh, M. I., 19.11-735
Seasonal sea ice variations
Khrol, V. P., 19.6-697
Uralov, N. S., 19.6-698
Seasonal sea surface temperature variations
Durairatnam, M., 19.7-748
Seasonal soil moisture variations
Rickard, W. H., 19.6-432
Seasonal stratospheric wind variations
Shvidkovskii, E. G. et al., 19.6-315
Seasonal sunshine variations
Parthasarathy, B., 19.4-248
Seasonal temperature anomalies
Kopec, R. J., 19.4-262
Seasonal temperature distribution
Hosking, K. J., 19.9-395
Seasonal temperature variations
Schindler, G., 19.7-320
Kubota, I., 19.11-341
Seasonal thermocline
Turner, J. S. et al., 19.5-671
Seasonal tropopause variations
Bezuglaia, E. Iu., 19.5-176
Seasonal upper air density variations
Groves, G. V., 19.6-194
Seasonal upper air pressure variations
Groves, G. V., 19.6-194
Seasonal upper air temperature variations
Banerjee, A. K. et al., 19.4-269
Groves, G. V., 19.6-194
Seasonal upper air wind variations
Groves, G. V., 19.6-194
Seasonal variability
Drennan, K. L., 19.6-638
Seasonal variation of ocean currents
Kharchenko, A. M., 19.12-713
Seasonal variation of water content of clouds
Dubrovina, L. S., 19.7-387
Seasonal variations of heat regime in mesosphere
Rakipova, L. R., 19.9-284
Seasonal weather changes
Saltzman, B., 19.12-177
Seasonal weather characteristics
Bayer, K. et al., 19.8-463
Seasonal weather forecasts
Aristov, N. A. et al., 19.12-129
Seasonal wind variations
Walczewski, J., 19.7-355
Seaweed effects on ocean waves
Ertel, H., 19.11-740
Secchi disk experiment
Tyler, J. E., 19.9-750
Secular climatic variations
Ambe, Y., 19.2-319
Outi, M., 19.3-356
Tsuchiya, I., 19.9-547
Secular frost variations
Umeda, S., 19.7-324
Secular geomagnetic variations
Wasilewski, P. J., 19.2-32
Panov, T. N., 19.2-450
As, J. A., 19.4-508
Williams, C., 19.4-511
Creer, K. M., 19.4-512
Allan, D. W. et al., 19.5-473
Bazarzhapov, A. D. et al., 19.5-476
Smith, P. J., 19.5-479
Cain, J. C. et al., 19.9-18
Bucur, I., 19.10-614
Keimatsu, M. et al., 19.11-565
Kitazawa, K. et al., 19.12-531
Secular geomagnetic variations theories
Roberts, P. H., 19.4-410
Hide, R., 19.4-509
Braginskii, S. I., 19.7-589
Secular lake level variations
Washbourn, C. K., 19.5-344
Secular magnetic variations
Vestine, E. H., 19.10-613
Secular oceanographic variations
Outi, M., 19.3-356
Secular precipitation variations
Peng, L., 19.4-263
Butzer, K. W. et al., 19.11-481
Secular radiation variations
Kutzbach, J. E. et al., 19.11-323
Secular salinity variations
Nan-Niti, T. et al., 19.5-681
Secular sea ice variations
Dunbar, M., 19.12-755
Secular sea level variations
Drozdov, O. A., 19.1-535
Cullen, D. J., 19.6-654
Shephard, F. P. et al., 19.6-655
Bloch, M. R., 19.8-715
Flemming, N. C., 19.11-712
Secular sea temperature variations
Nan-Niti, T. et al., 19.5-681
Secular snow cover variations
Tushinskii, G. K., 19.3-320
Secular snowstorm variations
Ludlum, D. M., 19.11-464
Secular temperature variations
Gruza, G. V. et al., 19.3-211
Manley, G., 19.3-674
Peng, Li, 19.4-263
Koncek, M., 19.5-228
Rachner, M., 19.11-365
Sediment accumulation
Pavlidis, I. A., 19.11-23
Sediment samplers
Karaushev, A. V. et al., 19.5-753
Solov'ev, N. Ia., 19.5-754
Sediment transport by currents
Matiukhin, V. I. et al., 19.6-685
Sediment transport under wave action
Fairchild, J. C., 19.5-691
Iurkevich, M. G. et al., 19.10-753
Seed germination
Caplenor, D., 19.1-51
Vickery, R. K., Jr., 19.1-54
Seiche velocity calculations
Shtefan, N. D., 19.3-692
Seiches in lakes
Shtefan, N. D., 19.3-692
Okamoto, I., 19.6-750
Henning, I., 19.6-751
Seismic glacier soundings
Gluck, S., 19.5-714
Seismic sea waves
Stoever, P., 19.2-543
Seismic soundings
Wood, L. C., 19.9-73
Seismic soundings of glacier thickness
Cherkasov, P. A., 19.6-717
Seismic wave dispersion
Nag, S. K., 19.6-670
Seismic wave propagation
Robinson, E. S., 19.7-769
Singh, K., 19.12-527

- Seismic wave velocities
  - Johnson, L. R., 19.10-601
- Seismological data
  - World Data Center A [for] Geomag., Seism., Gravity and Tsunami..., 19.9-52
- Selenodesy
  - Kaula, W. M., 19.6-587
- Selenodetic conferences
  - Internatl. Conference on Selenodesy and Lunar Topography, 2nd, Univ. of Manchester, England, May 30-June 4, 1966, 19.1-22
- Selenography
  - Oepik, E. J., 19.6-596
  - Miller, D. M., 19.6-598
  - Urey, H. C., 19.7-663
  - Guest, J. E. et al., 19.10-676
- Selenological theories
  - McCall, G. J. H., 19.11-639
- Semiannual pressure variations
  - Van Loon, H., 19.12-266
- Semiannual stratospheric wind variations
  - Quiroz, R. S. et al., 19.1-270
- Semiannual temperature variations
  - Hofmeyr, W. L., 19.9-394
- Semiannual upper atmosphere density variations
  - King-Hele, D. G., 19.5-162
  - Newell, R. E., 19.5-163
  - Jacchia, L. G. et al., 19.10-186
- Semiarid climates
  - Wallen, C. C., 19.11-504
- Semiarid regions
  - Moore, D. O., 19.12-813
- Semiarid zone agriculture
  - Cocheme, J. et al., 19.8-13
  - Fried, M. et al., 19.9-814
  - Whyte, R. O., 19.11-505
- Semiarid zone hydrology
  - Osborn, H. B., 19.12-364
  - Dixey, F., 19.12-779
- Semiconductor devices
  - Jacobs, H. et al., 19.8-626
- Semidiurnal Earth tides
  - Balakrishna, S. et al., 19.5-699
- Semidiurnal lunar perturbations
  - Rush, C. M. et al., 19.7-532
- Semi-permanent inversions
  - Vowinckel, E. et al., 19.12-256
- Sensible heat
  - Haltiner, G. J., 19.5-186
- Sensing of ice
  - Olson, B. E., 19.7-726
- Sensing of oceanographic variables from satellites
  - Olson, B. E., 19.7-726
- Severe hailstorm analysis
  - Martinov, M., 19.2-300
- Severe local storm analysis
  - Abell, B. F., 19.10-47
- Severe local storm forecasting
  - Sasaki, Y. et al., 19.12-112
- Severe squall line studies
  - Donaldson, R. J., Jr., 19.10-277
- Severe storm analysis
  - Newton, C. W., 19.1-192
  - Goldman, J. L., 19.12-216
- Severe storm effects on bean crops
  - Hogg, W. H., 19.8-59
- Severe storm forecasting
  - Weinstein, A. I. et al., 19.10-266
- Severe storm movement
  - Charba, J. P. et al., 19.10-261
- Severe storm structure
  - Charba, J. P. et al., 19.10-261
- Severe storm studies
  - Booker, D. R. et al., 19.10-269
- Severe storm warnings
  - Journal of American Insurance, Chicago, 19.6-185
- Severe storms
  - Hufnagl, F., 19.12-205
- Severe thunderstorm classification
  - David, C. L., 19.10-270
- Severe thunderstorm index
  - David, C. L., 19.10-270
- Severe thunderstorms
  - Charba, J. P. et al., 19.10-261
  - Miller, R. C., 19.11-189
- Severe winters
  - Shellard, H. C., 19.11-135
- Sewage discharge into sea
  - Keenen, C. J. et al., 19.3-650
  - Chiriac, V., 19.8-723
  - Zats, V. I., 19.10-723
- Sferics amplitude
  - Andreeva, S. I. et al., 19.1-350
- Sferics amplitude probability distribution
  - Yamaguchi, T. et al., 19.11-523
- Sferics arrival direction determination
  - Vasileva, S., 19.1-362
- Sferics attenuation
  - Hughes, H. G., 19.2-475
- Sferics direction
  - Hughes, H. G., 19.4-553
- Sferics directional distribution
  - Einsle, E., 19.1-355
- Sferics equipment
  - Andrews, G. F., 19.7-159
- Sferics frequencies
  - Andreeva, S. I. et al., 19.1-351
- Sferics frequency distribution
  - Einsle, E., 19.1-355
- Sferics frequency spectra
  - Andreeva, S. I. et al., 19.1-350
- Sferics from distant source
  - Andreeva, S. I. et al., 19.1-351
- Sferics from hurricanes
  - Hughes, H. G., 19.8-492
- Sferics from lightning
  - Hart, J. E., 19.1-356
  - Rao, M., 19.5-387
  - Gherzi, E., 19.5-390
  - Wadehra, N. S. et al., 19.5-391
  - Gladshtein, N. D., 19.6-469
  - Sartor, J. D., 19.6-470
  - Hughes, H. G., 19.8-492
  - Ishikawa, H. et al., 19.11-521
- Sferics from storm centers
  - Hughes, H. G., 19.2-475
- Sferics from thunderstorms
  - Gherzi, E., 19.5-390
  - Yamaguchi, T. et al., 19.11-523
- Sferics origin
  - Ishikawa, H. et al., 19.11-521
- Sferics propagation
  - Andreeva, S. I. et al., 19.1-351
- Sferics receivers
  - Atkinson, W. R. et al., 19.2-105
- Sferics recorders
  - Hildebrand, V. E. et al., 19.11-164
- Sferics recording
  - Schoute-Vanneck, C. A. et al., 19.8-493
- Sferics reflections from ionosphere
  - Wadehra, N. S. et al., 19.6-471
- Sferics spectra
  - Hart, J. E., 19.1-356
  - Hughes, H. G., 19.1-357; 19.2-475
  - Wadehra, N. S. et al., 19.3-375; 19.5-391; 19.6-471
  - Hughes, H. G., 19.8-492
- Sferics studies
  - Oguriaev, S. E., 19.1-361
- Sferics thunderstorm location
  - Burdecki, F., 19.5-79
- Sferics to radar data convertor
  - Andrews, G. F., 19.7-159
- Sferics types
  - In'kov, B. K., 19.1-358
- Sferics wave forms
  - In'kov, B. K., 19.1-359
  - Hughes, H. G., 19.2-475
  - Wadehra, N. S. et al., 19.3-375
  - Fligel', D. S., 19.4-547
  - Hughes, H. G., 19.4-553
- Shade effects on microclimate
  - Ripley, E. A., 19.5-51
- Shadowgraph techniques
  - Sutherland, J. L., 19.12-93
- Shallow lakes
  - Bilello, M. A., 19.7-784

Shallow water current instruments
  Olson, J. R., 19.3-630
Shallow water sound transmission
  Hansen, P. G. et al., 19.5-648
Shallow water wave forecasting
  Iwagaki, Y. et al., 19.3-662
  Sakane, N., 19.10-386
Shallow water waves
  Ijima, T. et al., 19.10-380
Shear vorticity
  Sternberg, J., 19.10-345
  Chuang, H. et al., 19.10-369
Shed microclimatology
  Hauptman, J., 19.7-64
Shelter belt effectiveness
  Kakushkin, V. N., 19.6-336
Shelter belt effects
  Hogg, W. H., 19.8-59
Shelter belt effects on microclimate
  Ripley, E. A., 19.5-51
Shelter belt effects on radiation
  Rosenberg, N. J., 19.7-347
Shelter belt effects on runoff
  Surmach, G. P., 19.7-838
Sherman Glacier
  Bull, C. et al., 19.11-773
Shifting cultivation effects
  Dagon, R. R., 19.9-105
Ship-borne automatic weather stations
  Frank, R. E., 19.4-118
Ship-borne meteorological equipment
  Elder, F. C. et al., 19.9-163
Ship codes
  France. Met. Nat., 19.9-128
Ship design
  Paulling, J. R., Jr. et al., 19.5-627
Ship motion due to waves
  Manabe, D. et al., 19.12-742
Ship motion spectra
  Manabe, D, et al., 19.12-742
Ship motion studies
  Paulling, J. R., Jr. et al., 19.5-627
Ship routing methods
  Verploegh, G., 19.8-92
Shipboard radiation equipment
  Borisova, L. A. et al., 19.9-370
Shipboard wind measurements
  Soo, H. K. et al., 19.12-79
Ships' hold microclimatology
  Bowes, P. C., 19.8-460
Ships' location determination
  Haehnle, R. J., 19.2-526; 19.3-623
  Ocean Industry, Texas, 1967, 19.6-65
  Geonautics, Inc., Wash., D.C., 19.7-82
  Gurke, J. L., 19.9-731
  Cline, J. B., 19.12-679
Ships' observational accuracy
  Borovkova, T. N. et al., 19.1-77
  McFadden, J. D. et al., 19.5-683
Ships' observations of pressure
  Walker, J. M., 19.12-264
Ships' weather messages
  Hoehn, R., 19.5-140
Ships' weather observations
  Verploegh, G., 19.8-92
Ships' wind observation techniques
  Soo, H. K. et al., 19.12-79
Shock tube studies
  Bradley, J. N. et al., 19.5-515
Shock wave from lightning discharge
  Jones, D. L. et al., 19.10-502
Shock wave generation
  Balcerzak, M. J., 19.8-494
Shock wave phenomena
  Bradley, J. N. et al., 19.5-515
  Zoby, E. V. et al., 19.8-495
Shock waves propagation in stellar envelopes
  Sachdev, P. L., 19.12-661
Shock wave studies
  Fischer, H. et al., 19.12-270
Shock waves
  Masani, A. et al., 19.3-511
  Sakagami, Y. et al., 19.3-516
Shock wave in solar atmosphere
  Schatzman, E., 19.12-644
Shore ice
  Leont'ev, E. B., 19.2-580
  Petrov, I. G., 19.3-317
Shore processes
  Nambiar, K. K. N. et al., 19.4-686
Short frontal waves
  Vitek, V., 19.10-756
Short period geomagnetic variations
  Briunelli, B. E., 19.3-476
  Troitskaia, V. A. et al., 19.3-484
Short range forecasting
  Glahn, H. R. et al., 19.3-100
  Pautz, M. E., 19.3-124
  Uspenskii, B. D. et al., 19.5-142
  Doronin, Iu. P. et al., 19.10-158
  Iudin, M. I., 19.10-160
Short range ice forecasting
  Buzuev, A. Ia. et al., 19.10-173
  Sokolov, A. L. et al., 19.12-752
Short range radio prediction
  Riggs, L. P. et al., 19.7-285
Short wave fadeouts
  Harvey, G. A. et al., 19.8-639
Short wave radiation
  Pivovarova, Z. I., 19.10-290
Short wave radiation calculations
  Timofeev, N. A., 19.4-245
Short wave radio propagation
  Kuperov, L. P., 19.4-50
Shower activity
  Papai, G., 19.1-273
Shower clouds
  Jones, D. M. A. et al., 19.11-461
Shower conditions
  Bordovskaia, L. I., 19.7-259
Shower forecasting
  Orlova, E. M. et al., 19.3-106
  Bagrov, A. N., 19.6-164
  Bryan, K. E., 19.8-174
  Sulakvelidze, G. K., 19.9-225
  Lapteva, L. M., 19.9-227
Shower formation
  Orlova, E. M. et al., 19.3-288
Shower precipitation
  Kuznik, I. A. et al., 19.9-510
Shower rainfall
  Orlova, E. M., 19.12-368
Shuleikin, Vasilii Vladimirovich
  Korneva, L. A., 19.3-26
Sierra wave
  Collis, R. T. H. et al., 19.7-358
Signal intensity forecasts
  Albrecht, H. J., 19.10-510
Silicon cell albedometer
  Dirmhirn, I., 19.12-88
Silicon detectors
  Kronke, R. H. et al., 19.8-339
Silicon in solar corona
  Jordan, C. et al., 19.12-647
Silver in precipitation
  Warburton, J. A. et al., 19.9-502
Silver in snow
  Warburton, J. A. et al., 19.9-503
Silver iodide effectiveness
  Corrin, M. L., 19.1-130
  Langer, G. et al., 19.2-128
Silver iodide effects on ice formation
  Berg, T. G. O. et al., 19.9-490
Silver iodide experiments
  Bernier, J., 19.7-203
Silver iodide generators
  Davis, C. I. et al., 19.10-402
Silver iodide nucleation
  Langer, G. et al., 19.2-128
Silver iodide plume distribution
  Henderson, T. J., 19.7-211
Silver iodide production
  Corrin, M. L., 19.1-130
Silver iodide seeding experiments
  Battan, L. J. et al., 19.7-201
Silviculture
  Vezina, P. E., 19.3-358

Similarity concepts
  Cramer, H. E., 19.10-360
Similarity theory
  Calder, K. L., 19.2-157
Singularities
  Dennis, A. S., 19.4-384
Sirocco
  Lange, R., 19.4-296; 19.5-253
Site effects on temperature
  Love, D. M., 19.9-537
Skill score
  Wachter, H., 19.7-190
Skill score calculation
  Zois, C., 19.7-191
Skin sensitivity
  Daniels, F., 19.6-77
  Bianca, W., 19.6-80
  Edney, E. B., 19.6-450
Sky brightness
  Wolff, C., 19.3-365
Sky brightness measurement techniques
  Doherty, L. R., 19.11-349
Sky brightness measurements
  Moore, J. G. et al., 19.3-208
  Roessler, F., 19.8-237
  Doherty, L. R., 19.11-142
Sky light color
  Sastri, V. D. P., 19.10-294
Sky light polarization
  Bullrich, K. et al., 19.12-144
  Coulson, K. L., 19.12-240
Sky light polariazation measurement techniques
  Chesebrough, G. F. et al., 19.7-477
Sky light polarization measurements
  Gambling, D. J. et al., 19.7-478
  Foitzik, L. et al., 19.10-493
Sky light spectrum
  Sastri, V. D. P., 19.10-294
Sky overcast frequencies
  Kravtsova, L. M. et al., 19.7-393
Sky radiance distribution
  Bullrich, K. et al., 19.12-144
Sky radiance effects on infrared thermometry
  Idso, S. B. et al., 19.11-335
Sky radiation
  Bertram, F. W., 19.9-380
Sky radiation–lapse rate relationships
  Santomauro, L., 19.9-400
Sky temperatures
  Matsuura, O. T. et al., 19.8-243
Sky wave propagation
  Morganstern, J. C. et al., 19.10-214
Slant visibility measurement techniques
  Brown, R. T., Jr., 19.8-88
Slide rules
  Vaisala News, Helsinki, 1967, 19.6-240
Slope climatology
  Hess, M., 19.11-495
Slope effects on potential evapotranspiration
  Jackson, R. D., 19.6-363
Slope microclimatology
  Borzenkova, I. I., 19.9-359
  Aulitzky, H., 19.9-538
  Barany, I., 19.9-539
Slope runoff
  Okunishi, K., 19.3-293
  Befani, N. F., 19.11-800
Slope temperatures
  Borzenkova, I. I., 19.10-282
Slope wind studies
  Dobryshman, E. M. et al., 19.9-445
Slush avalanches
  Nobles, L. H., 19.3-336
Small planets
  Debehogne, H., 19.11-650
Small reservoirs
  Kennon, F. W., 19.6-779
Small-scale turbulent fluctuations
  Gurvich, A. S. et al., 19.10-329
Small sunspots
  Steshenko, N. V., 19.12-623
Smithsonian Astrophysical Observatory
  Smithsonian Inst., Wash., D.C., 19.10-26
Smithsonian Institution, Washington, D.C.
  Smithsonian Inst., Wash., D.C., 19.10-26
Smog disasters
  Wise, W., 19.9-6
Smog effects
  Went, F. W., 19.6-221
Smog forecasting
  Leipper, D. F., 19.10-172
Smog formation
  Went, F. W., 19.6-221
  Leipper, D. F., 19.10-172
Smog research
  Harada, A. et al., 19.7-223
Smoke observations
  Vvedenskaia, L. I. et al., 19.12-150
Smoke plume behavior
  Schmidt, I., 19.6-248
Smoke plume observation techniques
  Eberstein, I. J., 19.4-180
Smoke trail techniques for wind determination
  Beaudoin, P. E. et al., 19.3-53
Smoothing techniques
  Petersen, D. P., 19.8-7
Snow accumulation
  Dubrovin, L. I. et al., 19.2-296
  Kotliakov, V. M. et al., 19.3-312
  Petrov, I. G., 19.3-317
  Rundle, A. S., 19.4-733
  Gow, A. J., 19.12-419
Snow accumulation determination
  Lambert, G. et al., 19.6-421
Snow accumulation distribution
  Mock, S. J., 19.7-433
Snow accumulation on trees
  Nezu, S. et al., 19.5-321
Snow accumulation on wires
  Takagi, S., 19.6-413
Snow accumulation variations
  Petrov, V. N. et al., 19.2-297
Snow and avalanche symposia
  Internatl. Symposium on Scientific Aspects of Snow and Ice Avalanches, Davos, Switzerland, April 5-10, 1965, 19.3-8
Snow and ice engineering
  Peschanskii, I. S., 19.1-12
  Abele, G. et al., 19.12-391
Snow and ice glossaries
  Armstrong, T. et al., 19.2-47
Snow and ice research
  Internatl. Symposium on Scientific Aspects of Snow and Ice Avalanches, Davos, Switzerland, April 5-10, 1965, 19.3-8
  Bender, J. A., 19.4-350
  Meier, M. F., 19.4-351
Snow and ice terminology
  Armstrong, T. et al., 19.2-47
Snow compaction
  Kinoshita, S., 19.12-417
  Kojima, K., 19.12-418
Snow cover
  Noro, T., 19.7-428
Snow cover characteristics
  Meyer, L., 19.5-325
  Kusakabe, M., 19.12-406
Snow cover compaction
  Bertle, F. A., 19.12-396
Snow cover control
  Anderson, H. W., 19.12-392
Snow cover data
  Ludlum, D. M., 19.9-515
Snow cover densities
  Bilello, M. A., 19.12-397
Snow cover depth
  Sneyers, R., 19.5-326
  Seppaenen, M., 19.10-439
Snow cover depth calculation
  Gushchina, M. V. et al., 19.8-450
Snow cover depth indices
  Nakatao, T., 19.12-409
Snow cover disappearance
  Spink, P. C., 19.1-312

Snow cover disasters
Nakatao, T., 19.12-409
Snow cover distribution
Pauliukevicius, G., 19.1-310
Vanni, M., 19.2-298
Barnes, J. C. et al., 19.7-432
Canada. Met. Branch, 19.9-799
Semenov, V. A., 19.12-413
Snow cover distribution with elevation
Zalikhanov, M. Ch., 19.10-441
Snow cover duration
Spink, P. C., 19.1-312
Abbadini, M., 19.2-294
Green, F. H. W., 19.10-438
Snow cover effects in cities
Rooney, J. F., Jr., 19.1-311
Snow cover effects on animals
Henshaw, J., 19.11-507
Snow cover effects on flood potential
Bertle, F. A., 19.12-396
Snow cover effects on radiation balance
Samukashvili, R. D., 19.11-338
Snow cover flow
In Der Gand, H. R. et al., 19.3-339
Snow cover frequencies
Clapp, P. F., 19.3-306
Snow cover hardness
Korolev, A. I., 19.11-467
Snow cover mapping
Barnes, J. C. et al., 19.7-432
Snow cover measurement techniques
Kozlik, V., 19.4-353
Snow cover mechanics
Bender, J. A., 19.12-394
Chae, Y. S., 19.12-398
Hanagud, S., 19.12-401
Huzioka, T. et al., 19.12-403
Mackay, J. R. et al., 19.12-407
Salm, B., 19.12-412
Snow cover observation techniques
Chomicz, K., 19.5-330
Dunaeva, A. V., 19.8-449
Gushchina, M. V. et al., 19.8-450
Snow cover observations
Abbadini, M., 19.2-294
Comitato Glaciologico Italiano, Turin, 19.2-295
Snow cover on slopes
Vanni, M., 19.2-298
Sosedov, I. S., 19.10-7
Snow cover pressure
De Quervain, M. R., 19.3-307
Snow cover properties
Kartashov, S. N., 19.3-311
Zingg, Th., 19.3-321
Ager, B., 19.11-466
Korolev, A. I., 19.11-467
Chae, Y. S., 19.12-398
Hanagud, S., 19.12-401
Nakaya, U. et al., 19.12-410
Salm, B., 19.12-412
Snow cover radiation
Kuvaeva, G. M. et al., 19.6-9
Snow cover regime
Anderson, E. A., 19.7-431
Snow cover–runoff relationships
Bertle, F. A., 19.12-396
Snow cover stress
Shinojima, K., 19.12-414
Snow cover structure
Nakaya, U. et al., 19.12-410
Snow cover studies
Ager, B., 19.11-466
Judson, A., 19.12-404
Snow cover surveys
Comitato Glaciologico Italiano, Turin, 19.2-295
Green, F. H. W., 19.10-438
Spink, P. C., 19.10-440
Snow cover temperature regime
Kotliakov, M. M., 19.3-313
Snow cover temperature variations
Dolov, M. A., 19.10-436
Snow cover–vegetation relationship
Gary, H. L. et al., 19.6-411
Snow creep
Huzioka, T. et al., 19.12-403
Mackay, J. R. et al., 19.12-407
Salm, B., 19.12-412
Snow crystal analysis
Kuroiwa, D. et al., 19.12-385
Snow crystal formation
Jiusto, J. E., 19.11-438
Snow crystal forms
Lee, C. W. et al., 19.7-429
Snow crystal frequency analysis
Gunn, K. L. S., 19.5-323
Snow crystal growth
Lee, C. W. et al., 19.7-429
Snow crystal sondes
Takahashi, T. et al., 19.6-153
Snow crystal structure
Higuchi, K. et al., 19.12-382
Snow data
Noro, T., 19.7-428
Snow deformation
Bender, J. A., 19.12-394
Salm, B., 19.12-412
Shinojima, K., 19.12-414
Snow densification
Radke, L. F. et al., 19.4-354
Hobbs, P. V. et al., 19.4-355
Nakaya, U. et al., 19.12-410
Kinoshita, S., 19.12-417
Kojima, K., 19.12-418
Gow, A. J., 19.12-419
Snow density
Morozov, G. A., 19.3-315
Radke, L. F. et al., 19.4-354
Snow density calculations
Glazyrin, G. E. et al., 19.4-352
Gushchina, M. V. et al., 19.8-450
Bilello, M. A., 19.12-397
Snow density measurement techniques
Protsenko, V. F., 19.3-318
Gary, H. L., 19.6-97
Snow density profiles
Gow, A. J., 19.12-419
Snow density variations
Martinec, J., 19.3-314
Gary, H. L., 19.6-97
Snow depth
Petrov, I. G., 19.3-317
Snow depth distribution
Kusakabe, M., 19.12-406
Snow depth measurement techniques
Smith, F. M. et al., 19.6-418
Il'in, I. A., 19.11-143
Snow depth variations
Ashwell, I. Y. et al., 19.2-263
Snow drift control
Fediushin, V. T. et al., 19.10-437
Diunin, A. K., 19.12-374
Snow drift experiments
Anfilof'ev, B. A., 19.12-768
Snow drift meters
Smith, I. L. et al., 19.3-327
Snow drifts
Dubrovin, L. I. et al., 19.2-296
Kotliakov, V. M. et al., 19.3-326
Snow effects on soil freezing
Dikinov, Kh. Zh., 19.9-411
Snow electricity
Gow, A. J., 19.12-379
Snow engineering properties
Hanagud, S., 19.12-401
Moser, E. H. et al., 19.12-408
Snow fences
Fediushin, V. T. et al., 19.10-437
Snow forecasting
Hanks, H. H., Jr. et al., 19.4-150
Spar, J. et al., 19.4-153
Jaffe, A., 19.5-319
Snow glossaries
Peschanskii, I. S., 19.1-12
Snow hydrology
Bender, J. A., 19.4-350
Meier, M. F., 19.4-351
Anderson, E. A., 19.7-431
Snow, ice and permafrost bibliographies
U. S. Gold Regions Research & Engineering Lab., Hanover, N.H., 19.11-76
Snow instruments
Bilello, M. A. et al., 19.6-152

Snow interception by forests
  Satterlund, D. R. et al., 19.3-300
  Nezu, S. et al., 19.5-321
  Ludlum, D. M., 19.9-515
Snow interception measurement techniques
  Ludlum, D. M., 19.9-515
Snow investigations
  Davos, Switz. Eidgen. Inst. fuer Schnee- und Lawinen., 19.9-29
Snow line variations
  Capello, C. F., 19.3-304
Snow load on buildings
  Theakston, F. H. et al., 19.6-419
Snow load on roofs
  Theakston, F. H. et al., 19.6-419
Snow management
  Anderson, H. W., 19.12-392
Snow melt calculations
  Kojima, K., 19.9-475
  Kuzmin, P. P., 19.9-524
  Amorocho, J. et al., 19.10-435
Snow melt effects on floods
  Gladki, H., 19.10-795
Snow melt effects on river discharge
  Mokliak, V. I. et al., 19.9-525
  Il'in, I. A., 19.11-143
  Rustamov, S. G., 19.11-475
Snow melt effects on stream flow
  Frohnholzer, J., 19.6-179
  Thomas, C. A., 19.8-184
Snow melt hydrology
  Khodakov, V. G., 19.5-324
  Sosedov, I. S., 19.10-7
Snow melt intensities
  Kojima, K., 19.9-475
Snow melt runoff
  Leningrad. Gosudarstvennyi Gidrolog. Inst., 19.7-830
Snow melt runoff calculations
  Mokliak, V. I. et al., 19.9-525
  Boldyrev, V. M., 19.10-791
Snow melt runoff forecasts
  Burakov, D. A., 19.6-769
Snow melt–runoff relationships
  Rustamov, S. G., 19.11-475
Snow melt thermodynamics
  Kojima, K., 19.9-475
Snow melting
  Wendler, G., 19.6-420
  Amorocho, J. et al., 19.10-435
  Onuma, T., 19.12-416
Snow melting conditions
  Kuvaeva, G. M. et al., 19.6-9
Snow melting effects on rock stream movement
  Anan'ev, G. S., 19.8-781
Snow melting prevention
  Herrmann, M. R. et al., 19.12-415
Snow melting rate measurement techniques
  Kuzmin, P. P., 19.9-524
Snow metamorphosis
  Zingg, Th., 19.3-321
  LaChapelle, E. et al., 19.3-323
  Hobbs, P. V. et al., 19.4-355
  Orheim, O., 19.8-451
  Akitaya, E., 19.12-381
Snow moisture content measurement techniques
  Kennedy, J. M. et al., 19.6-142
Snow pressure
  Kannabe, K., 19.6-422
Snow properties
  Mellor, M., 19.3-316
  Kuroiwa, D. et al., 19.12-385
Snow removal
  Natl. Res. Counc. of Canada. Assoc. Comm. on Geotech. Res., 19.9-517
Snow research equipment
  Bilello, M. A. et al., 19.6-152
Snow resistograph
  Bradley, C. C., 19.3-305
Snow roads
  Moser, E. H. et al., 19.12-408
Snow runways
  Abele, G. et al., 19.12-391
  Moser, E. H. et al., 19.12-408
Snow samplers
  Beaumont, R. T., 19.12-393
Snow sintering
  Ramseier, R. O. et al., 19.3-324; 19.7-436
Snow stratification
  Gow, A. J., 19.12-419
Snow strength
  Roch, A., 19.3-319
  Radke, L. F. et al., 19.4-354
  Abele, G. et al., 19.12-391
  Moser, E. H. et al., 19.12-408
Snow strength measurement techniques
  Bradley, C. C., 19.3-305
Snow surface forms
  Doumani, G. A., 19.12-399
Snow survey courses
  Washichek, J. N. et al., 19.8-198
Snow survey data
  Thomas, C. A., 19.8-184
  Booth, R. E., 19.11-462
Snow survey–precipitation amount relationships
  Deleur, M. S., 19.9-514
Snow surveying methods
  Kozlik, V., 19.4-353
  Dunaeva, A. V., 19.8-449
  Gushchina, M. V. et al., 19.8-450
Snow temperature instruments
  Kotliakov, V. M. et al., 19.3-313
Snow temperatures
  Dolov, M. A., 19.10-432
Snow trail analysis
  Berson, F. A., 19.12-65
Snow transport by blizzards
  Diunin, A. K., 19.12-374
Snow transport by wind
  Orlov, N. I., 19.10-82
  Shiotani, M. et al., 19.12-390
Snow transport measurement techniques
  Orlov, N. I., 19.10-82
Snowfall anomalies
  Stevenson, C. M., 19.10-433
Snowfall data
  Daniels, R. E., 19.7-427
  Ludlum, D. M., 19.9-515
  Hummel, J. L., 19.12-389
Snowfall rates
  Gunn, K. L. S., 19.5-323
Snowpack depth–load determination
  Alford, D. L., 19.6-416
Snowpack temperature measurement techniques
  Bowles, D., 19.6-94
  Weaver, D. K., Jr., 19.6-100
Snowstorm, Chicago, Ill. (Jan. 1967)
  Smith, J. S., 19.6-415
Snowstorm electrification
  Stow, C. D., 19.3-371
Snowstorm studies
  Diunin, A. K., 19.12-374
  Shiotani, M. et al., 19.12-390
Snowstorms
  Nakajima, C., 19.3-188
Snowstorms, Alberta, Canada (Apr. 1967)
  Janz, B., 19.11-465
Soaring
  Aldrich, J., 19.6-61
Sodium D line
  Finn, G. D. et al., 19.4-598; 19.7-705
Sodium D line emission
  Curtis, G. W. et al., 19.5-602
Sodium D line intensities
  Evans, C. et al., 19.5-587
Sodium emission
  Derblom, H. et al., 19.1-394
  Maaseide, K., 19.3-409
Sodium in upper atmosphere
  Geisler, J. E. et al., 19.3-143
  Gadsden, M., 19.4-186
  Hanson, W. B. et al., 19.4-188
  Gadsden, M., 19.7-503
Sodium origin
  Gadsden, M., 19.7-503
Sodium trail observation
  Andreeva, L. A. et al., 19.4-71

Sodium trail observation techniques
  Teitelbaum, H., 19.6-326
Sodium-24 in meteorites
  Tobailem, J. et al., 19.5-584
Soil aeration
  Bonner, F. T. et al., 19.8-51
Soil air composition
  Williams, P. J., 19.9-875
Soil and air temperature effects on crop growth
  Taylor, J. A., 19.7-467
Soil chemistry
  Jones, G. B. et al., 19.8-52
Soil classification
  Kazo, B., 19.12-819
Soil climates
  Shul'gin, A. M., 19.4-5
  Taylor, J. A., 19.7-462
Soil–climatic conditions
  Uteshev, A. S. et al., 19.10-372
Soil climatology
  Prokopenko, I. I., 19.10-802
Soil conditions–drainage relationships
  Norum, D. I. et al., 19.7-855
Soil conservation
  Dotzenko, A. D. et al., 19.6-430
Soil cover effects on soil climatology
  Sarson, P. B., 19.7-461
Soil creep
  Schumm, S. A., 19.5-742
Soil density measurement techniques
  Kuehn, W., 19.8-757
Soil drying
  Cary, J. W., 19.3-266
Soil erosion
  Radley, J. et al., 19.4-298
  Markocheva, K. M., 19.8-787
  Smith, D. D., 19.9-513
  Uteshev, A. S. et al., 19.10-372
Soil erosion control
  Drullinger, R. H. et al., 19.10-373
Soil erosion prevention
  Adrianov, S. N., 19.3-237
Soil fertility
  Rixon, A. J. et al., 19.5-775
Soil fertility effects on plants
  McKee, G. W. et al., 19.5-46
Soil freezing
  Akademiia Nauk SSSR. Sibirskoe Otdelenie. Institut Merzlotovedeniia, 19.1-234
  Juusela, T., 19.2-230
  Barnes, F. A., 19.9-410
  Penner, E., 19.10-313; 19.11-374
Soil freezing data
  Valus, G., 19.10-314
Soil freezing depth calculations
  Dikinov, Kh. Zh., 19.9-411
  Romanenko, V. A., 19.9-412
Soil freezing depth distribution
  Barnes, F. A., 19.9-410
Soil freezing depth measurement techniques
  Sartz, R. S., 19.5-238
Soil freezing studies
  Lange, G. R. et al., 19.6-318
  Williams, P. J., 19.10-315
Soil mixture and plant growth
  Oleinik, R. N. et al., 19.11-85
Soil moisture
  Shul'gin, A. M., 19.4-5
  Dotzenko, A. D. et al., 19.6-430
  Berliand, T. G. et al., 19.10-281
Soil moisture and runoff
  Vol'ftsun, I. B., 19.2-304
Soil moisture availability
  Rixon, A. J. et al., 19.5-775
Soil moisture calculations
  Zafar, G. F. et al., 19.2-612
Soil moisture capacity
  Rixon, A. J. et al., 19.5-775
  Rode, A. A., 19.6-800
  Galushchenko, N. G., 19.9-869
  Kazo, B., 19.12-819
Soil moisture conductivity
  Kazo, B., 19.12-819
Soil moisture conservation
  Izotov, V. F., 19.7-421
  Dixon, R. M. et al., 19.8-796
Soil moisture content
  Michurin, B. N. et al., 19.11-809
  Zamanmurad, Kh. et al., 19.11-810
Soil moisture control
  Shul'gin, A. M., 19.4-5
Soil moisture deficiency
  Ligon, J. T. et al., 19.4-367
Soil moisture deficiency calculation techniques
  Kharchenko, S. I., 19.9-870
  Smith, G. W., 19.12-821
Soil moisture deficit
  Kharchenko, S. I., 19.9-230
Soil moisture deficit–evapotranspiration relationships
  Grigor'eva, L. K., 19.9-100
Soil moisture determination
  Weisflog, D., 19.5-776
Soil moisture diffusion
  Whisler, F. D. et al., 19.8-798
Soil moisture distribution
  Weisflog, D., 19.5-776
  Rylov, S. P., 19.10-800
Soil moisture dynamics
  Miller, E. E. et al., 19.7-853
  Cary, J. W. et al., 19.7-854
  Kulik, V. Ia., 19.11-808
Soil moisture effects on corn yield
  Konstantinov, A. R. et al., 19.3-726
Soil moisture effects on crops
  Allen, L. D. et al., 19.5-47
  Kopyt, A. D., 19.10-798
Soil moisture effects on humidity
  Boryczka, J., 19.5-279
Soil moisture effects on pea crop
  Khomiakov, V. N., 19.4-38
Soil moisture effects on plants
  McKee, G. W. et al., 19.5-46
  Beatley, J. C., 19.6-429
  Peters, D. B. et al., 19.7-856
  Stanhill, G. et al., 19.7-857
Soil moisture effects on runoff
  Krynskii, V. M., 19.7-829
Soil moisture effects on rye
  Cummins, D. G. et al., 19.5-48
Soil moisture effects on soil air
  Wiant, H. V., Jr., 19.6-802
Soil moisture effects on sugar beet
  Kontorshchikova, O. M., 19.4-40
Soil moisture effects on wheat yield
  Kirilicheva, K. V., 19.4-39
  Baier, W. et al., 19.10-54
Soil moisture effects on winter wheat
  Kekukh, A. M. et al., 19.1-599
Soil moisture evaporation
  Ogneva, T. A., 19.10-397
Soil moisture freezing
  Williams, P. J., 19.8-799
Soil moisture–ground temperature relationships
  Prokopenko, I. I., 19.10-802
Soil moisture instruments
  Byrne, G. F. et al., 19.3-91
  Salaruddin, M. et al., 19.5-134
  Cary, J. W., 19.8-133
  Beskin, L. I., 19.9-189
  Fried, M. et al., 19.9-814
  Slavov, N., 19.9-873
Soil moisture measurement techniques
  Zafar, G. F. et al., 19.2-612
  Holmes, J. W. et al., 19.7-93
  Moereman, P. et al., 19.7-157
  Booher, L. J., 19.8-795
  Murakami, R., 19.9-871
  Slavov, N., 19.9-873
Soil moisture measurements
  Blanc, M. L. et al., 19.2-611
Soil moisture measurements with radioactive isotopes
  Booher, L. J., 19.8-795
Soil moisture movement
  Elrick, D. E., 19.4-770
  Franzini, J. B. et al., 19.4-771

Powers, W. L. et al., 19.5-774
Weisflog, D., 19.5-776
Biggar, J. W. et al., 19.6-798
Schiff, L. et al., 19.7-815
Kramer, P. J. et al., 19.7-852
Norum, D. I. et al., 19.7-855
Fritton, D. D. et al., 19.8-403
Gardner, W. R., 19.8-404
Stallman, R. W., 19.9-874
Zimmermann, U. et al., 19.10-801
Zamanmurad, Kh. et al., 19.11-810

Soil moisture movement measurement techniques
Byrne, G. F. et al., 19.3-91
Cary, J. W., 19.8-133
Nielsen, D. R. et al., 19.8-797
Whisler, F. D. et al., 19.8-798

Soil moisture physics
Franzini, J. B. et al., 19.4-771
Day, P. R. et al., 19.7-851
Childs, E. C., 19.9-867
Michurin, B. N. et al., 19.11-809
Zonn, I. S. et al., 19.11-811

Soil moisture–plant relationships
Hagan, R. M. et al., 19.7-19

Soil moisture profiles
Childs, E. C., 19.9-867
Zonn, I. S. et al., 19.11-811

Soil moisture regime
Kapotov, A. A., 19.1-315
Kononov, K. E., 19.3-725
Konstantinov, A. R. et al., 19.3-726
Greenland, D. E. et al., 19.6-397
Maletic, J. T. et al., 19.6-799
Vangelov, A., 19.6-801
Kramer, P. J. et al., 19.7-852
Sudnitsyn, I. I., 19.12-822

Soil moisture–relief relationships
Iashina, A. V. et al., 19.12-818

Soil moisture requirements
Maletic, J. T. et al., 19.6-799

Soil moisture research
Sinel'shchikov, V. V., 19.9-92
Jamison; V. C. et al., 19.9-93
Orr, H. K., 19.9-872

Soil moisture reserves
Kapotov, A. A., 19.1-315
Sudnitsyn, I. I., 19.12-822

Soil moisture retention
Black, A. L. et al., 19.8-326

Soil moisture–snow cover relationships
Iashina, A. V. et al., 19.12-818

Soil moisture–soil freezing relationships
Juusela, T., 19.2-230
Lange, G. R. et al., 19.6-318
Fukuo, Y. et al., 19.6-431

Low, P. F. et al., 19.7-334
Yong, R. N., 19.11-376
Jumikis, A. R., 19.11-807

Soil moisture studies
Panel on the use of Isotope and Radiation Tech. in Soil-Moisture and Irrigation Studies, Vienna, March 1966, 19.7-20
Rode, A. A., 19.12-820

Soil moisture suction
Williams, P. J., 19.8-800

Soil moisture supply
Kekukh, A. M. et al., 19.1-599

Soil moisture tension
Michurin, B. N. et al., 19.11-809
Zamanmurad, Kh. et al., 19.11-810

Soil moisture terminology
Corey, A. T. et al., 19.8-48

Soil moisture–thermal conductivity relationships
Hadas, A., 19.8-365

Soil moisture thermodynamics
Low, P. F. et al., 19.4-772; 19.10-799
Sudnitsyn, I. I., 19.12-822

Soil moisture transfer
Jumikis, A. R., 19.11-807
Zonn, I. S. et al., 19.11-811

Soil moisture–tree growth relationships
Zahner, R. et al., 19.1-302
Broadfoot, W. M., 19.5-53
Moehring, D. M. et al., 19.5-54

Soil moisture variations
Blanc, M. L. et al., 19.2-611
Varga, A., 19.4-774
Orr, R. K., 19.9-872
Kopyt, A. D., 19.10-798

Soil permeability
Lupinovich, I. S. et al., 19.9-528

Soil permeability determination
Bisir, D. et al., 19.8-757

Soil pH–plant growth relationships
McKee, G. W. et al., 19.5-46

Soil physics
Ahmad, N., 19.3-677

Soil properties
Hurst, F. B., 19.5-347

Soil salinity
Biggar, J. W. et al., 19.6-798
Reeve, R. C. et al., 19.7-859

Soil salinity measurement techniques
Oster, J. D. et al., 19.4-773

Soil science
Jamison, V. C. et al., 19.9-93
Eyre, S. R., 19.10-2
Vil'iams, V. R., 19.11-28
Egorov, V. V., 19.12-33

Soil studies
Jamison, V. C. et al., 19.9-93

Soil temperature control
Shul'gin, A. M., 19.4-5

Soil temperature correlations
Trifonova, T. S., 19.4-271

Soil temperature data
Poland. Panstwowy Inst. Hydrol.-Meteorol., 19.7-122
Sarson, P. B., 19.7-461
Ashbel, D., 19.9-530
Valus, G., 19.10-314

Soil temperature effects on crops
Moiseichik, V. A., 19.4-162

Soil temperature in irrigated fields
Prokopenko, I. I., 19.10-802

Soil temperature measurement techniques
Ipatov, V. Ia., 19.5-50
Fuchs, M. et al., 19.8-79
Bespalov, D. P., 19.8-113
Bespalov, D. P. et al., 19.8-121

Soil temperature physics
De Felice, P., 19.9-409
Wagner, R., 19.9-414
Takacs, L., 19.9-415

Soil temperature profiles
Trifonova, T. S., 19.4-271
Poland. Panstwowy Inst. Hydrol.-Meteorol., 19.7-122
Wagner, R., 19.9-414
Takacs, L., 19.9-415

Soil temperature regime
Taylor, J. A., 19.7-333
Sarson, P. B., 19.7-461

Soil temperature–soil moisture relationships
Cary, J. W., 19.3-266
Low, P. F. et al., 19.4-772; 19.10-799

Soil temperature under plastic covers
Kaneseki, S., 19.8-346

Soil temperature variations
Schmeidler, F., 19.7-319
Williams, P. J., 19.8-799
Takacs, L., 19.9-415

Soil temperatures
Shul'gin, A. M., 19.4-5
Raney, F. C. et al., 19.7-332
Black, A. L. et al., 19.8-326

Soil thawing
Akademiia Nauk SSSR. Sibirskoe Otdelenie. Institut Merzlotovedeniia, 19.1-234
Salazanov, V. V., 19.2-228

Soil types
Hurst, F. B., 19.5-347

Soil water processes
Williams, P. J., 19.9-875

Soil water properties
Day, P. R. et al., 19.7-851

Soil water transport
  Miller, E. E. et al., 19.7-853
  Cary, J. W. et al., 19.7-854
Soiling index
  Penney, G. W., 19.11-269
Solar abundance determination
  Khromova, T. P., 19.10-695
  Dubov, E. E., 19.12-625
Solar activity
  Maltby, P. et al., 19.5-591
  Ellison, M. A., 19.8-670
  Tandberg-Hanssen, E., 19.10-12
Solar activity–atmospheric electricity relationships
  Cobb, W. E., 19.5-378
Solar activity centers
  Harvey, G. A. et al., 19.8-639
  Kiepenheuer, K. O., 19.12-629
Solar activity–cosmic ray relationships
  Sakurai, K., 19.3-437
  Fody, S. A. et al., 19.8-557
Solar activity cycle–solar tide relationships
  Takahashi, K., 19.12-633
Solar activity cycles
  Meeus, J., 19.4-589
Solar activity data
  World Data Center A /for/ Airglow, Ionosphere, Aurora, Cosmic Rays, Geomagnetism /and/ Solar Activity, ESSA, Boulder, Colo., 19.2-82
  Waldmeier, M., 19.8-671
Solar activity–dry periods recurrence relationships
  Golubtsov, V. V., 19.10-780
Solar activity effects on ionosphere
  Rush, C. M. et al., 19.7-532
Solar activity–equatorial electrojet relationships
  Yacob, A., 19.4-458
Solar activity–exospheric density relationships
  Cook, G. E. et al., 19.4-173
Solar activity–F2 layer relationships
  Kovalevskaia, E. M., 19.2-370
Solar activity–general circulation relationships
  Abramov, R. V., 19.1-187
Solar activity–geomagnetic relationships
  Ballario, M. C., 19.12-636
Solar activity index
  Oermenyi, I., 19.5-456
Solar activity influences
  Internatl. Years of the Quiet Sun, 4th Assembly, London, July 1967, 19.10-481
Solar activity–ionospheric relationships
  Brace, L. H. et al., 19.9-575
  Internat. Radio Concult. Comm., 19.9-582
Solar activity–Martian phenomena relationships
  Mottoni, G. de, 19.1-488
Solar activity maximum
  Internatl. Years of the Quiet Sun, 4th Assembly, London, July 1967, 19.10-481
Solar activity–precipitation relationships
  Drogaitsev, D. A., 19.12-131
Solar activity regions
  McKenna, S. M. P., 19.5-590
  Ballario, M. C., 19.12-636
Solar activity research
  Internatl. Years of the Quiet Sun, 4th Assembly, London, July 1967, 19.10-481
Solar activity–sea temperature relationships
  Sleptsov-Shevlevich, B. A., 19.1-330
Solar activity–solar radio emission relationships
  Machalski, J., 19.7-647
Solar activity theories
  Kiepenheuer, K. O., 19.12-629
Solar astrophysics
  Levine, M. A., 19.3-527
  Michard, R., 19.7-682
  Schatzman, E. et al., 19.7-689
Solar astrophysics investigations
  Kurnosova, L. V. et al., 19.9-626
Solar atmosphere
  Ulmschneider, P. H., 19.4-596
  Starr, V. P. et al., 19.7-685
  Chiu, H. Y., 19.8-672
Solar atmosphere models
  Lambert, D. L., 19.7-683
  Athay, R. G. et al., 19.7-704
  Finn, G. D. et al., 19.7-705
  Cuny, Y., 19.8-684
  Carbon, D. et al., 19.9-712
  Pagel, B. E. J., 19.12-643
Solar atmosphere motions
  Schatzman, E. et al., 19.7-689
  Lighthill, M. J., 19.8-677
Solar atmosphere structure
  Michard, P., 19.12-639
Solar atmospheric circulation
  Cocke, W. J., 19.5-589
Solar atmospheric composition
  Mueller, E. A., 19.12-628
Solar - atmospheric relationships
  Smirnov, R. V., 19.2-468
  Link, F., 19.9-568
  Mustel', E. R., 19.10-480
Solar atmospheric turbulence
  Lighthill, M. J., 19.8-677
Solar atomic structure
  Delcroix, A. et al., 19.12-615
Solar aureole observations
  Rydgren, B., 19.12-621
Solar brightness distribution
  Lena, P. J., 19.7-691
Solar brightness temperature
  Staelin, D. H. et al., 19.9-700
  Gautier, D. et al., 19.12-616
Solar bursts
  Zhelezniakov, V. V. et al., 19.12-583
Solar chromosphere observations
  Rutten, R. J., 19.10-707
Solar circulation
  Starr, V. P. et al., 19.7-685
Solar–climate relationships
  Von Rudloff, H., 19.7-275
  Suess, H. E., 19.11-482
  Damon, P. E., 19.12-429
Solar conferences
  Conf. on the Struct. of the Quiet Photosphere, Holland, 1967, 19.9-33
Solar constant
  Drummond, A. J. et al., 19.3-85
  Stair, R. et al., 19.12-239
Solar constant–atmospheric circulation relationships
  Pivovarova, Z. I., 19.9-366
Solar constant measurement techniques
  Drummond, A. J., 19.11-342
Solar continuum
  Sauval, A., 19.8-688
Solar convection
  Lighthill, M. J., 19.8-677
  Moore, D. W., 19.8-679
Solar convection zone
  Spiegel, E. A. et al., 19.8-680
Solar convective layer
  Delcroix, A. et al., 19.12-615
Solar corona
  Wilson, R., 19.3-593
  Ulmschneider, P. H., 19.4-596
Solar corona ellipticity
  Kovachev, B. Zh., 19.1-478
Solar corona photographs
  Eddy, J. A., 19.5-598
Solar corona radiation
  Malville, J. Mc., 19.8-644
Solar corona spectrum
  Falchi, A. et al., 19.1-508
Solar corona structure
  Broadfoot, A. L., 19.1-500
Solar coronal line profiles
  Nussbaumer, H., 19.12-640
Solar corpuscles
  Kurnosova, L. V. et al., 19.9-626
Solar corpuscular influences on geomagnetic storms
  Ballif, J. R. et al., 19.5-500
Solar corpuscular influences on ionosphere
  Velinov, P., 19.5-428

Solar corpuscular influences on upper atmosphere
  Moe, K., 19.4-267
  Rakipova, L. R., 19.9-284
  Usmanov, R. F., 19.9-422
Solar corpuscular radiation
  Kazachevskaia, T. V., 19.2-215
Solar corpuscular radiation effects on comets
  Grudzinska, S., 19.5-586
Solar corpuscular streams–geomagnetism relationships
  Ballif, J. R. et al., 19.5-500
Solar cosmic ray flares
  Sakurai, K., 19.9-627
Solar cosmic ray formation
  Suslov, A. A. et al., 19.1-421
Solar cosmic ray propagation
  Fichtel, C. E. et al., 19.6-522
Solar cosmic rays
  Kurnosova, L. V. et al., 19.4-485
  Masley, A. J., 19.5-449
  Schardt, A. W. et al., 19.6-517
  Fichtel, C. E. et al., 19.6-522
Solar cycle–airglow emissions relationships
  Smith, L. L. et al., 19.9-623
Solar cycle–cosmic ray relationships
  Kane, R. P., 19.3-427
  Forman, M. A., 19.4-481
Solar cycle effects on night airglow radiation
  Carlson, H. C. et al., 19.10-580
Solar cycle–geomagnetic relationships
  Ondoh, T. et al., 19.3-474
  Saito, T. et al., 19.4-518
Solar cycle–ionospheric variations relationship
  Sprenger, K. et al., 19.12-509
Solar cycle–thunderstorm activity relationships
  Kleimenov, E. P., 19.4-237
Solar cycle–upper air density relationships
  Lindblad, B. A., 19.8-221
Solar disk radiance
  Peyturaux, R., 19.12-230
Solar disk spectrum
  Houtgast, J., 19.9-715
  Zirker, J. B., 19.9-716
Solar diurnal cosmic ray variations
  Chin, F. K. et al., 19.6-520
Solar diurnal geomagnetic variations
  Malin, S. R. C., 19.1-433
  Kawasaki, K. et al., 19.3-469
  Rastogi, R. G., 19.8-572
Solar eclipse, Feb. 1952
  Falchi, A. et al., 19.1-508
Solar eclipse, Feb. 1961
  Sastri, V. D. P., 19.10-294
  Gilic, A. et al., 19.10-706
Solar eclipse, Feb. 1962
  Orrall, F. Q., 19.9-717
Solar eclipse, July 1963
  Moore, J. G. et al., 19.3-208
  Schmeidler, F., 19.7-319
  Kundu, M. R. et al., 19.8-689
Solar eclipse, May 1965
  Eddy, J. A. et al., 19.2-513
  Waldmeier, M., 19.6-632
  Bourdila, A. M., 19.8-499
Solar eclipse, May 1966
  Bousquet, C. et al., 19.4-408
  Ohle, K. H. et al., 19.4-437
  Waldmeier, M., 19.4-597
  Rodionov, S. F., 19.11-511
Solar eclipse, May 20, 1966
  Letfus, V. et al., 19.2-484
Solar eclipse, Nov. 1966
  Conway, J. G. et al., 19.2-512
  Keneshea, T. J. et al., 19.3-390
  Kaufmann, P. et al., 19.6-575
  Randhawa, J. S., 19.7-247
  Hunt, H. C., 19.7-706
  Kaufman, P. et al., 19.7-707; 19.8-640
  Waldmeier, M., 19.9-710, 718
  MacQueen, R. M., 19.10-704
  Rutten, R. J., 19.10-707
  Kaufmann, P., 19.11-617
Solar eclipse, May 1967
  Starovatov, A. A., 19.7-535
Solar eclipse, Sept. 1968
  Mikhailov, A. A., 19.6-631
Solar eclipse effects
  Murasheva, M. S. et al., 19.12-657
Solar eclipse observation, May 1966
  Murasheva, M. S. et al., 19.12-657
Solar eclipse observations
  Landini, M. et al., 19.9-252
  Orrall, F. Q., 19.9-717
  Gilic, A. et al., 19.10-706
Solar eclipse paths
  Mikhailov, A. A., 19.6-631
Solar electron density–type III bursts relationships
  Malville, J. Mc., 19.8-644
Solar electrons
  Martyshchenko, O. I., 19.1-448
Solar elevation calculations
  Robertson, G. W. et al., 19.10-285
Solar emissions
  Chapman, S., 19.4-546
  Hiei, E. et al., 19.12-617
  Koval', A. N., 19.12-654
Solar energy calculations
  Robertson, G. W. et al., 19.10-285
Solar energy flux variations
  Kovalevskii, I. V., 19.8-598
Solar energy measurement techniques
  Baird, G. A. et al., 19.9-702
  Stair, R. et al., 19.12-239
Solar extreme ultraviolet spectrum
  Tousey, R., 19.2-511
  Neupert, W. M., 19.4-595
Solar filament magnetic field
  Von Klueber, H., 19.5-600
Solar filaments
  Elgaroey, O. et al., 19.6-573
  Bruzek, A., 19.8-682
  Oehman, Y., 19.12-641
Solar flare, Feb. 23, 1956
  Shishov, V. I., 19.7-578
Solar flare, May 4, 1960
  Bukata, R. P. et al., 19.12-565
Solar flare, March 2, 1966
  Miller, R. A., 19.8-678
Solar flare, Mar. 24, 1966
  Kahler, S. W. et al., 19.4-532
Solar flare, July 7, 1966
  Ogawa, T. et al., 19.2-476
  Cline, T. L. et al., 19.5-594
  Van Allen, J. A., 19.6-618
Solar flare, Sept. 2, 1966
  Konstantinov, V. A., 19.5-595
Solar flare, Sept. 20, 1966
  Tandberg-Hanssen, E., 19.1-496
Solar flare, May 23, 1967
  Aarons, J., 19.5-592
Solar flare activity
  Krivsky, L. et al., 19.4-592
Solar flare cosmic rays
  McCracken, K. G. et al., 19.2-437
  Sakurai, K., 19.3-437
  Shishov, V. I., 19.3-538; 19.7-578
Solar flare data
  Fischer, H. J. E. et al., 19.11-680
  Sawyer, C. B., 19.11-683
Solar flare development
  Krivsky, L. et al., 19.12-638
Solar flare distribution
  Krivsky, L. et al., 19.4-592
  Smith, S. F. et al., 19.9-703
Solar flare effects
  Geokhlanian, T. Kh. et al., 19.10-308
Solar flare effects on cosmic rays
  Gopasiuk, S. I. et al., 19.3-424

Solar flare effects on geomagnetism
Pinter, S., 19.3-473; 19.4-514
Konstantinov, V. A., 19.5-595
Pinter, S. et al., 19.6-533
Greenfield, S. M. et al., 19.12-481
Solar flare effects on ionosphere
Bhattacharyya, J. C. et al., 19.4-406
Garriott, O. K. et al., 19.4-419
Konstantinov, V. A., 19.5-595
Baker, D. M., 19.6-475
Jean, A. G. et al., 19.6-487
Jones, T. B. et al., 19.10-535
Greenfield, S. M. et al., 19.12-481
Solar flare effects on radio wave propagation
Jones, T. B. et al., 19.10-535
Solar flare electron acceleration
Sakurai, K., 19.3-530
Solar flare–ELF emission relationships
Ogawa, T. et al., 19.2-476
Solar flare emission lines
Banin, V. G. et al., 19.5-605
Solar flare emissions
Kawabata, K. A., 19.3-525
Obayashi, T., 19.3-529
Sakurai, K., 19.3-530
Donnelly, R. F., 19.4-414
Lingenfelter, R. E., 19.11-681
Bukata, R. P. et al., 19.12-565
Solar flare forecasting
Abbasov, A. R., 19.1-467
McLellan, C. et al., 19.7-694
Solar flare formation
McKenna, S. M. P., 19.5-590
Pneuman, G. W., 19.9-708
Solar flare–geomagnetic pulsation relationships
Pinter, S., 19.8-576
Solar flare heights
Dolginova, Iu. N. et al., 19.8-676
Solar flare–magnetic field relationships
Ogir', M. B., 19.12-642
Solar flare magnetic fields
Tandberg-Hanssen, E., 19.1-496
Reid, J. H., 19.5-596
Anzer, U., 19.12-648
Solar flare–magnetic storm relationships
Aarons, J., 19.5-592
Hirshberg, J., 19.7-624
Bednarova-Novakova, B., 19.9-632
Solar flare models
Banin, V. G., 19.9-706
Solar flare motions
Ogir', M. B., 19.12-642
Solar flare occurrence
Krivsky, L. et al., 19.4-592
Solar flare patrol
Svestka, Z. et al., 19.10-703
Solar flare phenomena
Kawabata, K. A., 19.3-525
Neshpor, Iu. I., 19.10-702
Anderson, G. F., 19.11-678
Solar flare physics
Bruzek, A., 19.10-700
Solar flare plasma
Hirshberg, J., 19.7-624
Solar flare prediction
Reilly, A. E. et al., 19.10-696
Solar flare proton emission
Kahler, S. W. et al., 19.4-532
Aarons, J., 19.5-592
Solar flare–radio burst relationships
Krivskii, L. et al., 19.12-638
Solar flare–solar radio bursts relationships
Levitskii, L. S., 19.6-494
Feix, G., 19.8-637
Solar flare spectra
Tandberg-Hanssen, E., 19.1-496
Banin, V. G. et al., 19.5-605
Banin, V. G., 19.9-706
Solar flare structure
Banin, V. G., 19.9-706
Solar flare theories
Reid, J. H., 19.5-596
Solar flare X-ray bursts
Neupert, W. M. et al., 19.1-502
Valnicek, B., 19.3-419
Kawabata, K. A., 19.3-526
Arnoldy, R. L. et al., 19.5-593
Cline, T. L. et al., 19.5-594
Arnoldy, R. L. et al., 19.7-564
Gopasiuk, S. I. et al., 19.10-701
Neshpor, Iu. I., 19.10-702
Solar flares
Falciani, R. et al., 19.9-707
Nature, London, 19.11-682
Dvoriashin, A. S., 19.12-553
Solar flocculi data
Godoli, G. et al., 19.7-696
Solar flux density
Kovalevskii, I. V., 19.8-669
Solar gamma rays
Chupp, E. L. et al., 19.8-554
Solar–geophysical relationships
Sleptsov-Shevlevich, B. A., 19.1-330
Solar granulation
Bray, R. J. et al., 19.8-16
Mein, P., 19.11-674
Solar granulation spectra
Kirk, J. G. et al., 19.11-684
Solar hydrogen emission
Cuny, Y., 19.8-684
Solar influences on ionosphere
Serafimov, K. et al., 19.3-398
Kasymova, A. G. et al., 19.5-409
Lauter, E. A. et al., 19.10-541
Harnischmacher, E., 19.11-538
Solar instruments
Corbyn, P. R., 19.7-635
Solar–ionospheric relationships
Leftin, M. et al., 19.6-493
Solar limb brightness
Noyes, R. W. et al., 19.7-684
Lena, P. J., 19.7-691
Solar limb darkening
Bonnet, R. M. et al., 19.9-714
Solar limb temperatures
Hiei, E. et al., 19.12-617
Solar loop prominence theories
Olson, C. A. et al., 19.2-507
Solar magnetic energy
Gopasiuk, S. I. et al., 19.10-701
Solar magnetic field
Sakurai, K., 19.3-595, 596
Severnyi, A. B., 19.3-597
Vostry, J., 19.3-598
Weiss, N. O., 19.3-599
Wilcox, J. M., 19.3-600
Zwaan, C., 19.3-601
Alfven, H., 19.5-599
Von Klueber, H., 19.5-600
Sturrock, P. A. et al., 19.6-613
Brueckner, G., 19.6-623
Howard, R., 19.6-624
Clark, A., Jr. et al., 19.7-687
Severnyi, A. B., 19.7-697
Livingston, W. C., 19.9-711
Tandberg-Hanssen, E., 19.10-12
Takakura, T. et al., 19.10-662
Solar magnetic field effects on cosmic rays
Quenby, J. J., 19.4-497
Solar magnetic field effects on interplanetary magnetic field
Sakurai, K., 19.3-596
Solar magnetic field measurement techniques
Von Klueber, H., 19.12-650
Solar magnetic fields
Vitkevich, V. V. et al., 19.12-567
Gopasiuk, S. I., 19.12-618
Solar magnetism
Godoli, G., 19.12-649
Solar magnetism measurements
Howard, R., 19.6-624
Stenflo, J. O., 19.9-628
Solar magnetographs
Stenflo, J. O., 19.9-628
Severnyi, A. B., 19.12-622
Von Klueber, H., 19.12-650

Solar magnetohydrodynamic processes
Dubov, E. E., 19.10-694
Solar modulation effect on cosmic rays
Shen, C. S. et al., 19.12-524
Solar nebula
Starr, V. P. et al., 19.2-489
Solar neutrino flux
Iben, I., Jr. et al., 19.5-447
Solar neutron flux
Hess, W. N. et al., 19.4-476
Solar observatories
Dizer, M., 19.11-611
Solar outer atmosphere
Pagel, B. E. J., 19.12-643
Solar particle acceleration
McKenna, S. M. P., 19.5-590
Solar particle emission
Obayashi, T., 19.3-529
Arnoldy, R. L. et al., 19.7-564
Leacock, R. A. et al., 19.8-343
Edelson, E., 19.8-564
Solar particle propagation
Baird, G. A. et al., 19.9-702
Solar phenomena
Dizer, M., 19.12-630
Solar phenomena simulation
Dubov, E. E., 19.10-694
Solar photography
Brandt, P. N., 19.9-699
Solar photon flux
Chupp, E. L. et al., 19.8-554
Solar photosphere spectra
Lambert, D. L. et al., 19.12-626
Solar physics
Naugle, J. E., 19.1-39
Gilvarry, J. J., 19.6-611
Roxburgh, I. W., 19.6-612
Sturrock, P. A. et al., 19.6-613
Solar physics conferences
King, J. W. et al., 19.8-20
NATO Advanced Study Inst., Athens, 1965, 19.10-17
Solar physics research
Khetsuriani, Ts. S., 19.2-479
Nagasawa, S., 19.2-480
Cimino, M., 19.6-609
Jefferies, J. T., 19.6-610
Goldberg, L., 19.11-670
Solar physics symposia
Nature, London, 19.11-682
Solar plage data
Godoli, G., 19.5-26
Solar plages
Reidy, W. P. et al., 19.9-666
Ballario, M. C., 19.12-636
Solar plasma–geomagnetic field relationships
Parker, E. N. et al., 19.2-448
Danilov, A. A. et al., 19.3-471
Sugiura, M., 19.5-489
Kovalevskii, I. V., 19.5-520
Ivanov, K. G., 19.5-526
Solar plasma streams
Kawabata, K. A., 19.3-525
Kovalevskii, I. V., 19.5-224
Solar power
Kaykaty, G. N., 19.9-362
Solar prominence magnetic fields
Thompson, W. I., III et al., 19.1-498
Rust, D. M., 19.2-509
Solar prominence models
Thompson, W. I., III et al., 19.1-498
Solar prominence–solar radio noise bursts relationships
Wild, J. P. et al., 19.12-646
Solar prominence spectra
Geichenko, M. S., 19.1-497
Rompolt, B., 19.3-592
Solar prominences
Gimse, O. et al., 19.3-591
Dizer, M., 19.12-630
Solar proton effects on ionosphere
Potemra, T. A. et al., 19.4-556
Solar proton events
McLellan, C. et al., 19.7-694
McCracken, K. C. et al., 19.12-519
Solar proton flares
Haurwitz, M. W., 19.6-617
Solar proton flux
Reid, G. C. et al., 19.1-221
Paulikas, G. A. et al., 19.4-495
Solar proton measurements
Vernov, S. N. et al., 19.3-535
Solar quiet daily variations
Matsushita, S., 19.10-616
Solar radiance effect on albedo
Weinman, J. A. et al., 19.7-306
Solar radiation
Naugle, J. E., 19.1-39
Marchgraber, R. M., 19.5-211
Malitson, H. H., 19.8-319
Solar radiation absorption
Quenzel, H., 19.1-214
Miller, W. D. et al., 19.6-296
Mukhenberg, V. V. et al., 19.9-377
Mukhenberg, V. V., 19.10-296
Solar radiation absorption–atmospheric structure relationships
Frith, R., 19.10-203
Solar radiation absorption by Earth's surface
Krichagin, V. I. et al., 19.9-365
Solar radiation absorption data
Samukashvili, R. D., 19.10-293
Solar radiation absorption in water
Borovkova, T. N., 19.1-212
Solar radiation absorption instruments
Kaykaty, G. N., 19.9-362
Solar radiation activity coefficients
Tsitsenko, G. V., 19.9-356
Solar radiation anomalies
Budyko, M. I. et al., 19.9-361
Solar radiation attenuation by aerosols
Robinson, G. D., 19.12-235
Kondrat'ev, K. Ia. et al., 19.12-241
Solar radiation attenuation by dust
Volz, F. E., 19.12-238
Solar radiation attenuation by volcanic dust
Kondrat'ev, K. Ia. et al., 19.12-241
Solar radiation calculations
Swartman, R. K. et al., 19.6-103
Pivovarova, Z. I., 19.10-290
Solar radiation charts
Tolstikov, E. I., 19.7-127
Solar radiation data
Belgium. Institut Royal Meteorologique, 19.5-83; 19.12-70
Solar radiation effects on ice
Weller, G., 19.4-715
Solar radiation effects on ionosphere
Velinov, P., 19.5-428
Bowhill, S. A. et al., 19.6-477
Solar radiation effects on lake temperature variations
Bilello, M. A., 19.7-784
Solar radiation effects on lake temperatures
Tybout, R. A., 19.2-198
Solar radiation effects on space vehicles
Miller, W. D. et al., 19.6-296
Solar radiation effects on sugar accumulation
Mikhailova, N. I., 19.9-102
Solar radiation effects on temperature
Schram, K. et al., 19.12-236
Solar radiation energy distribution
Schram, K. et al., 19.12-236
Solar radiation frequency distribution
Wachter, H., 19.6-294
Solar radiation instruments
Marchgraber, R. M., 19.5-211
Solar radiation intensities
Schulze, R., 19.3-205
Pivovarova, Z. I., 19.10-290
Solar radiation intensity measurements
Roller, W. L. et al., 19.8-325

Solar radiation intensity variations
  Quenzel, H., 19.10-297
Solar radiation measurement techniques
  Drummond, A. J. et al., 19.8-324
Solar radiation measurements
  Sekihara, K., 19.2-201
  Drummond, A. J. et al., 19.3-85
  Wachter, H., 19.6-294
Solar radiation on buildings
  Pivovarova, Z. I., 19.9-367
Solar radiation pressure effects on interplanetary dust
  Divari, N. B. et al., 19.1-138
Solar radiation pressure effects on satellites
  Fea, K., 19.6-134
Solar radiation spectra
  Shul'gin, I. A., 19.6-292
  Robinson, G. D., 19.12-235
Solar radiation spectral distribution
  Schulze, R., 19.3-205
Solar radiation transmission
  Quinn, W. H. et al., 19.3-199
  Atlas, R. A., 19.10-295
Solar radiation variations
  Pivovarova, Z. I., 19.9-366
  Flowers, E. C. et al., 19.12-226
Solar radio astronomy
  Boischot, A., 19.12-568
Solar radio brightness
  Noyes, R. W. et al., 19.7-684
Solar radio burst sources
  Harvey, G. A. et al., 19.8-639
  Mullaly, R. F. et al., 19.11-619
  Hagen, J. P. et al., 19.12-569
  Wild, J. P. et al., 19.12-646
Solar radio burst theories
  Yip, W. K., 19.1-469
  Takakura, T., 19.2-486
  Zirin, H., 19.11-620
  Hagen, J. P. et al., 19.12-569
Solar radio burst–X-ray relationships
  Arnoldy, R. L. et al., 19.5-593; 19.7-564
  Neupert, W. M., 19.12-571
Solar radio bursts
  Yoh, P. et al., 19.1-470
  Takakura, T. et al., 19.3-532
  Ellis, G. R. A. et al., 19.5-546
  De Jager, C., 19.7-645
  Castelli, J. P., 19.7-652
  De Jager, C., 19.8-636
  Takakura, T. et al., 19.10-662
  Mullaly, R. F. et al., 19.11-619
  Iurovskaia, L. T., 19.12-576
  Levitskii, L. S., 19.12-579
  Moiseev, I. G. et al., 19.12-582
Solar radio bursts, type I
  Elgaroey, O. et al., 19.6-573
Solar radio bursts, type II
  Zirin, H., 19.11-620
Solar radio bursts, type III
  Hoang, S., 19.1-468
  Warwick, J. W., 19.5-547
  Eliseeva, L. A., 19.7-315
  Malville, J. Mc., 19.8-644
  Slysh, V. I., 19.9-667
  Kaplan, S. A. et al., 19.10-661
  Zirin, H., 19.11-620
Solar radio bursts, type IV
  Yip, W. K., 19.1-469
  Takakura, T., 19.2-486
  Machalski, J., 19.7-647
Solar radio bursts, type V
  Warwick, J. W., 19.5-547
Solar radio bursts–cosmic ray relationships
  Vladimirskii, B. M. et al., 19.6-527
Solar radio emission centers
  Billings, D. E. et al., 19.8-683
Solar radio emission during flares
  Castelli, J. P. et al., 19.2-482
  Fokker, A. D., 19.4-591
  Konstantinov, V. A., 19.5-595
  Neupert, W. M., 19.12-571
Solar radio emission–ionospheric electron density relationships
  King, J. W. et al., 19.7-517
Solar radio emission–K_p relationships
  Tanaka, H. et al., 19.3-495
Solar radio emission measurements
  Fedoseev, L. I. et al., 19.10-660
Solar radio emission measurements during eclipse
  Letfus, V. et al., 19.2-484
  Kaufmann, P. et al., 19.6-575; 19.8-640
  Kaufmann, P., 19.11-617
Solar radio emission mechanisms
  Hoang, S., 19.1-468
  Warwick, J. W., 19.5-547
  Elgaroey, O. et al., 19.6-573
  Lantos, P., 19.11-618
Solar radio emission observation techniques
  Covington, A. E., 19.2-483
  Daigne, G. et al., 19.5-545
  Fedoseev, L. I. et al., 19.10-660
Solar radio emission observations
  Swarup, G. et al., 19.6-576
  Fokker, A. D., 19.8-638
Solar radio emission scintillation
  Vitkevich, V. V., 19.1-450
Solar radio emission spectra
  Staelin, D. H. et al., 19.9-700
  Abbasov, A. R., 19.11-615
Solar radio emission studies
  Covington, A. E., 19.2-483
  Clavelier, B., 19.4-569
  Feix, G., 19.8-637
Solar radio emission–sunspot relationships
  Abbasov, A. R., 19.1-467
Solar radio emission theories
  Kaplan, S. A. et al., 19.10-661
Solar radio emission variations
  Neupert, W. M., 19.4-595
Solar radio emissions
  Malitson, H. H., 19.8-319
  Reidy, W. P. et al., 19.9-666
  Tsuchiya, A. et al., 19.9-668
  Iurovskii, Iu. F., 19.11-616
Solar radio interferometers
  Swarup, G. et al., 19.6-576
Solar radio microbursts
  Iurovskii, Iu. F., 19.12-570
Solar radio noise burst effects on ionosphere
  Baker, D. M., 19.6-475
Solar radio noise burst location
  Haurwitz, M. W., 19.6-617
Solar radio noise burst sources
  Slysh, V. I., 19.9-667
Solar radio noise burst types
  Zirin, H., 19.11-620
Solar radio noise burst–X-rays relationships
  Eliseeva, L. A., 19.7-315
Solar radio noise center
  Lantos, P., 19.11-618
Solar radio noise fluctuations
  Letfus, V. et al., 19.2-484
Solar radio noise flux–sunspot relationships
  Joachim, M., 19.3-384
Solar radio noise spectra
  Kaplan, S. A. et al., 19.6-574
  Takakura, T. et al., 19.10-662
Solar radio radiation absorption
  Gautier, D., 19.11-560
Solar radio source locations
  Clavelier, B., 19.4-569
Solar radio spectroscopy
  Tlamicha, A., 19.3-542
Solar rain theories
  Khvostikov, I. A. et al., 19.9-276
Solar rotation
  Cocke, W. J., 19.5-589
  Sturrock, P. A. et al., 19.6-613
Solar rotation effects
  Faus, A. A., 19.3-524
  Alfonso-Faus, A., 19.6-544
Solar spectral analysis
  Richter, J. et al., 19.1-506
  Sitnik, G. F. et al., 19.4-586

Curtis, G. W. et al., 19.5-602
Brueckner, G., 19.6-623
Goldberg, L., 19.6-626
Lambert, D. L., 19.7-683
Elste, G., 19.7-688
Mueller, E. A. et al., 19.7-702
Withbroe, G. L., 19.7-703
Gingerich, O. et al., 19.8-673
Cuny, Y., 19.8-684
Ikhsanov, R. N., 19.9-701
Bonnet, R. M. et al., 19.9-714
Livshits, M. A. et al., 19.10-705
Mueller, E. A., 19.12-628
Michard, P., 19.12-639
Evans, K. et al., 19.12-651
Solar spectral line intensities
Jordan, C., 19.7-699
Sauval, A., 19.8-688
Houtgast, J., 19.9-715
Solar spectral line profiles
Withbroe, G. L., 19.3-604
Finn, G. D. et al., 19.4-598
Curtis, G. W. et al., 19.5-602
Athay, R. G. et al., 19.7-704
Finn, G. D. et al., 19.7-705
Zirker, J. B., 19.9-716
Solar spectral line shift
Gasanalizade, A. G., 19.5-603
Solar spectral lines
Baschek, B. et al., 19.1-504
Lambert, D. L. et al., 19.1-505
Swensson, J. W., 19.1-507
Salman-Zade, R. Kh., 19.3-603
Engvold, O., 19.3-605
Bely, O. et al., 19.5-601
Goldberg, L., 19.6-626
Lemaire, P. et al., 19.6-627
Grevesse, N. et al., 19.8-685
Kastner, S. O., 19.8-686
Swings, J. P., 19.12-653
Solar spectral observations during eclipse
Conway, J. G. et al., 19.2-512
Eddy, J. A. et al., 19.2-513
Solar spectrographs
Bruner, E. C., Jr. et al., 19.6-625
Solar spectrography
Engvold, O., 19.3-602
Solar spectroscopy
Mallia, E. A., 19.6-628
Peach, J. V., 19.12-655
Solar spectrum
Carbon, D. et al., 19.9-712
Livingston, W. C., 19.9-713
Jones, B. B. et al., 19.12-652
Solar spectrum energy distribution
Jones, B. B. et al., 19.12-652
Solar stills
Howe, E. D., 19.2-193
Solar supercorona
Vitkevich, V. V. 19.2-508
Solar system
Alfven, H., 19.6-583
Tozer, D. C., 19.7-641
Solar system evolution
Gaskell, T. F., 19.6-584
Schatzman, E., 19.7-642
Solar system formation
Ter Haar, D., 19.6-586
Solar system physics
Macklin, R. L. et al., 19.1-474
Goldreich, P. et al., 19.2-488
Solar temperatures
Sandlin, G. D. et al., 19.2-510
Curtis, G. W. et al., 19.5-602
Noyes, R. W. et al., 19.7-684
Gingerich, O. et al., 19.7-698
Athay, R. G. et al., 19.7-704
Solar terrestrial glossaries
Gilliland, J. M., 19.9-79
Solar–terrestrial relationships
Ness, N. F., 19.2-466
Obayashi, T., 19.3-529
Chapman, S., 19.4-546
King, J. W. et al., 19.8-20
Obayashi, T., 19.8-600
Harvey, G. A. et al., 19.8-639
Burdecki, F., 19.9-385
International Years of the Quiet Sun, 4th Assembly, London, July 1967, 19.10-481
Ballario, M. C., 19.12-636
Solar tidal force calculations
Takahashi, K., 19.12-633
Solar tides
Palumbo, A., 19.10-319
Solar ultraviolet continuum
Sandlin, G. D. et al., 19.2-510
Solar ultraviolet radiation
Dolainsky, F. et al., 19.4-250
Goldberg, L., 19.6-626
Solar ultraviolet spectra
Hamilton, R. A. et al., 19.4-66
Houtgast, J., 19.9-715
Solar velocity
Stewart, J. M. et al., 19.7-648
Solar wind
NATO Advanced Study Institute, Univ. of Keele, Staffordshire, Eng., Aug. 15-26, 1966, 19.1-17
Pieper, G. F., 19.1-436
Bridge, H. et al., 19.1-446
Mustel', E. R., 19.1-449
Evans, D. E. et al., 19.2-462
Ness, N. F., 19.2-466
Schardt, A. W. et al., 19.6-517
Kern, J. W., 19.11-588
Mustel', E. R., 19.12-554
Solar wind–aurora relationships
Krasovskii, V. I., 19.8-543
Solar wind–comet relationships
Ioffe, Z. M., 19.1-447
Danielsson, L. R. et al., 19.4-540
Ioffe, Z. M., 19.12-613
Solar wind composition
Hundhausen, A. J. et al., 19.11-590
Solar wind disturbances
Gosling, J. T. et al., 19.4-541
Scarf, F. L. et al., 19.7-490
Unti, T. W. J. et al., 19.9-642
Solar wind effects on asteroids
Zeller, E. J. et al., 19.5-529
Solar wind effects on comets
Wallis, M. K., 19.7-681
Solar wind effects on cosmic rays
Durgaprasad, N. et al., 19.1-410
Jokippi, J. R. et al., 19.1-420
Solar wind effects on galactic cosmic rays
Nestorov, G., 19.4-477
Solar wind effects on geomagnetic field
Coleman, P. J., Jr., 19.4-539
Parker, E. N., 19.11-591
Solar wind effects on interplanetary magnetic field
Davis, L., Jr., 19.3-537
Ness, N. F. et al., 19.10-635
Solar wind effects on lunar atmosphere
Evans, D. E. et al., 19.2-462
Solar wind effects on lunar surface
Zeller, E. J. et al., 19.5-529
Solar wind effects on magnetosphere
Ness, N. F., 19.1-91
Binsack, J. H. et al., 19.6-545
Lanzerotti, L. J., 19.6-546
Gall, R. et al., 19.7-585
Starkov, G. V. et al., 19.10-637
Solar wind effects on upper atmosphere
Evans, D. E. et al., 19.2-462
Solar wind flow
Wolf, R. A., 19.12-556
Solar wind fluctuations
Obayashi, T., 19.11-587
Solar wind–geomagnetic activity relationships
Kovalevskii, I. V., 19.8-598
Solar wind–geomagnetic field interaction
Evans, D. E. et al., 19.2-462
Lerche, I., 19.2-465
Sakagami, Y. et al., 19.3-516
Wilcox, J. M., 19.3-600
Greenstadt, E. W. et al., 19.4-542
Ivanov, K. G., 19.5-526
Ness, N. F., 19.8-599
Obayashi, T., 19.8-600
Spreiter, J. R. et al., 19.8-602
Stoffregen, W., 19.10-579

Maehlum, B. N., 19.10-634
Spreiter, J. R. et al., 19.10-636

Solar wind–geomagnetic relationships
Nishida, A., 19.3-490
Piddington, J. H., 19.12-541

Solar wind–geomagnetic storm relationships
Lanzerotti, L. J., 19.6-546

Solar wind influences
Gendrin, R., 19.6-549
Khocholava, G. M. et al., 19.7-514

Solar wind–interplanetary media reaction
Alfonso-Faus, A., 19.6-544
Beard, D. B., 19.7-623

Solar wind investigations
Vitkevich, V. V., 19.1-450

Solar wind–lunar interaction
Sonett, C. P. et al., 19.4-544
Lyon, E. F. et al., 19.5-528
Michel, F. C., 19.8-655
Johnson, F. S. et al., 19.9-679
Ness, N. F. et al., 19.10-635

Solar wind magnetic fields
Fairfield, D. H., 19.5-467
Khokhlov, M. Z., 19.7-626
Livingston, W. C., 19.9-711

Solar wind–magnetic storm relationships
Dvoriashin, A. S., 19.12-553

Solar wind–magnetosphere relationships
Pieper, G. F., 19.1-436
Wolfe, J. H. et al., 19.2-469
Axford, W. I., 19.3-522
Block, L. P., 19.3-523
Levine, M. A., 19.3-527
Axford, W. I., 19.4-538
Coleman, P. J., Jr., 19.4-539
Fairfield, D. H., 19.5-467
Ivanov, K. G. et al., 19.5-527
Blum, R., 19.7-612
Axford, W. I., 19.7-622
Tidman, D. A. et al., 19.7-627
Unwin, R. S., 19.10-578
Faye-Petersen, R. et al., 19.10-632
Akasofu, S. I. et al., 19.11-584
NATO Advanced Study Institute, Freising, Germany, July 31-Aug. 11, 1967, 19.12-555

Solar wind measurements
Khokhlov, M. Z., 19.7-626

Solar wind models
Schubert, G. et al., 19.2-468
Faus, A. A., 19.3-524
Hartle, R. E. et al., 19.8-596

Solar wind–Moon tail relationships
Michel, F. C., 19.4-543

Solar wind–planetary interaction
Faus, A. A., 19.2-463

Solar wind rotation
Alfonso–Faus, A., 19.6-544

Solar wind temperatures
Hundhausen, A. J. et al., 19.2-464
Breus, T. K. et al., 19.8-595
Kato, Y. et al., 19.8-597

Solar wind theories
Parker, E. N., 19.8-601
Beard, D. B., 19.12-552

Solar wind–tropospheric temperature relationships
Smirnov, R. V., 19.2-468

Solar wind velocity
Hundhausen, A. J. et al., 19.2-464
Jockers, K., 19.10-633

Solar wind–Venus interaction
Mariner Stanford Group, 19.7-668

Solar winds
NATO Advanced Study Institute, Univ. of Keele, Staffordshire, Eng., Aug. 15-26, 1966, 19.1-17

Solar X-ray bursts
De Jager, C., 19.7-645; 19.8-636
Takao, K., 19.9-383

Solar X-ray effects on ionosphere
Baker, D. M., 19.6-475
Jones, T. B., 19.8-512

Solar X-ray emission
Suslov, A. A. et al., 19.1-421
Broadfoot, A. L., 19.1-500
Takakura, T. et al., 19.3-532
Reidy, W. P. et al., 19.9-666

Solar X-ray emission–geomagnetic pulsation relationships
Pinter, S., 19.8-576

Solar X-ray flares
Van Allen, J. A., 19.6-618

Solar X-ray flux
Thomas, L. et al., 19.4-175
Edwards, P. J. et al., 19.7-671
Van Allen, J. A., 19.12-645

Solar X-ray intensity variations
Gregory, B. N. et al., 19.1-501

Solar X-ray sources
Kawabata, K. A., 19.3-526

Solar X-ray spectrum
Neupert, W. M. et al., 19.1-502
Van Gils, J. N. et al., 19.5-604
Rugge, H. R. et al., 19.8-687
Neupert, W. M., 19.12-571
Evans, K. et al., 19.12-651

Solar X-rays
Kazachevskaia, T. V., 19.2-215
Goldberg, L., 19.6-626
Underwood, J. H., 19.11-671
Watts, R. N., Jr., 19.11-672

Solarimeters
Anderson, M. C., 19.2-91
Szeicz, G., 19.2-93
Sumner, C. J., 19.3-86

Solid precipitation
Deleur, M. S., 19.9-514

Solid precipitation occurrence
Lewinska, J., 19.10-431

Solifluction
Aristov, I. F., 19.5-739
Jahn, A., 19.5-740
Iakhtenfel'd, I. P., 19.5-741

Solifluction prevention
Iakhtenfel'd, I. P., 19.5-741

Sonar
DiPippo, R. et al., 19.3-629

Sonar devices
Teeter, J. L., 19.11-704

Sonar system
Edgerton, H. E., 19.5-703

Sonic anemometers
Mitsuta, Y., 19.10-241

Sonic boom
Myers, M. K. et al., 19.4-399
Hubbard, H. H., 19.9-85
Conference on Sonic Boom Research, 19.12-17

Sonic boom waves
Garrick, I. E. et al., 19.10-48

Sonic generation of avalanches
Krasser, L. M. A., 19.12-405

Sonic scattering layer
Pickwell, G. V., 19.8-718

Sorghum cultivation
Downes, R. W., 19.8-56

Sound intensity estimation
Kaman Nuclear, 19.10-509

Sound propagation in sea water
Wolff, P. M. et al., 19.9-763

Sound scattering at sea surfaces
Parkins, B. E., 19.6-657

Sound scattering by marine organisms
Gold, B. A. et al., 19.5-646

Sound scattering in sea water
Gold, B. A. et al., 19.5-646
Ol'shevskii, V. V., 19.8-14

Sound transmission in sea water
Lane, A. L. et al., 19.1-538

Sound velocity
Stein, R. F. et al., 19.4-400

Sound velocity in sea water
Aratskaia, V. V., 19.2-546
VonWinkle, W. A. et al., 19.4-628
Leopold, H., 19.7-734
Belshe, J. C., 19.9-764
Piip, A. T., 19.12-689
TRW Systems. Florida Operations, Cape Kennedy, Fla., 19.12-690

Sound velocity profiles in ocean
Piip, A. T., 19.12-689
Sound velocity–sea sediment relationships
Horn, D. R. et al., 19.8-716
Sound wave damping
Stein, R. F. et al., 19.4-400
Sound waves in atmosphere
Stein, R. F., 19.6-473
Southern Hemisphere circulation
Van Loon, H., 19.2-166
Streten, N. A., 19.9-325
Tauber, G. M., 19.11-321
Southwest monsoon
Wright, P. B., 19.6-252
Nedungadi, T. M. K., 19.7-343
India. Met. Dept., 19.8-439
Desai, B. N., 19.9-294
Soviet agricultural meteorology
Kalmykova, V. V. et al., 19.6-69
Sapozhnikova, S. A., 19.6-451
Soviet Antarctic expeditions
Korotkevich, E. S., 19.2-78
Dolganov, L. V., 19.3-65
Treshnikov, A. F., 19.7-775
Soviet Antarctic Expeditions, 1956-58
Kopanov, I. D., 19.12-228
Soviet Antarctic Expeditions, 1961-63
Nudel'man, A. V., 19.11-9
Soviet Antarctic research
Korotkevich, E. S., 19.2-78
Soviet Arctic expeditions
Laktionov, A. F. et al., 19.3-31
Soviet Arctic research
Laktionov, A. F. et al., 19.3-31
Soviet astronautics
Gatland, K. W., 19.8-647
Soviet astronomy
U. S. Joint Publications Research Service, 19.5-30
Astronomicheskii Zhurnal, Moscow, 19.6-557
Soviet climatology
Shnitnikov, A. V., 19.9-529
Soviet drifting stations
Laktionov, A. F. et al., 19.3-31
Soviet geomagnetic research
Geomagnetizm i Aeronomiia, Moscow, 19.5-454
Soviet geophysics
U. S. Joint Publications Research Service, 19.5-30
Soviet glaciology
Shnitnikov, A. V., 19.9-529
Soviet hydrology
Shnitnikov, A. V., 19.9-529
Federov, E. K., 19.11-32
Soviet Hydrometeorological Service
Korzun, V. I., 19.6-46
Fedorov, E. K., 19.9-59
Soviet literature
Manheim, F. T., 19.1-47
Laktionov, A. F., 19.3-31
Soviet meteorological research
Fedorov, E. K., 19.3-25
U. S. Joint Publications Research Service, 19.5-30
Geomagnetizm i Aeronomiia, Moscow, 19.5-454
Akad. Nauk SSSR, Izv., Fizika Atmosfery i Okeana, 19.6-49
Federov, E. K., 19.11-32
Soviet oceanographic expeditions
Melville, W., 19.7-712
Soviet oceanographic research
Shuleikin, V. V., 19.3-607
Dobrovol'skii, A. D., 19.5-609
Kitaigorodskii, S. A., 19.5-682
Akad. Nauk SSSR, Izv., Fizika Atmosfery i Okeana, 19.6-49
Soviet oceanography
Manheim, F. T., 19.1-47
Dmitriev, A. A., 19.4-673
Mustafin, N. V., 19.12-663
Soviet participation in IQSY
IQSY, 4th Assembly, 1967, 19.10-114
Soviet radiosonde type A-22 III
Simidchiev, D. et al., 19.3-93
Marfenko, O. V., 19.8-136
Usol'tsev, V. A. et al., 19.8-137
Soviet radiosonde type A-22-IV
Efimov, P. L., 19.9-190
Soviet radiosonde type A-58
Efimov, P. L., 19.9-190
Soviet radiosonde type RKZ-1A
Marfenko, O. V., 19.8-136
Marfenko, O. V. et al., 19.9-191
Soviet rocket measurements
Quiroz, R. S., 19.1-84
Soviet satellite, Cosmos 19
Kuzhevskii, B. M. et al., 19.4-486
Soviet satellite, Cosmos 25
Kuzhevskii, B. M. et al., 19.4-486
Soviet satellite, Cosmos 110
Shavrin, P. I. et al., 19.6-137
Soviet satellite, Cosmos 122
Belov, P. N. et al., 19.3-77
Popova, T. P. et al., 19.5-120
Soviet satellite, Cosmos 135
Konstantinov, B. P. et al., 19.1-142
Soviet satellite, Cosmos 200
Gatland, K. W., 19.7-137
Soviet satellite, Elektron 2
Bezrukikh, V. V. et al., 19.4-266
Soviet satellite, Luna 10
Zhuzgov, L. N. et al., 19.11-645
Soviet satellite, Luna 12
Mandel'shtam, S. L. et al., 19.11-632
Soviet satellite, Molniya 1
Tverskaia, L. V. et al., 19.5-522
Soviet satellite, 1966-101G
King-Hele, D. G. et al., 19.4-174
Soviet satellite, Proton 1
Grigorov, N. L. et al., 19.1-411, 418
Volodichev, N. N. et al., 19.1-423
Soviet satellite, Proton 2
Grigorov, N. L. et al., 19.1-411, 418
Volodichev, N. N. et al., 19.1-423
Soviet satellite, Sputnik 1
Heacock, R. L., 19.11-631
Soviet satellite investigations
Sistema sputnikov na sluzhbe meteorologii etc. etc., 19.5-117
Aviation Week and Space Tech., N.Y., 1967, 19.6-66
Soviet satellites, Cosmos
Sistema sputnikov na sluzhbe meteorologii, etc. etc., 19.5-117
Soviet satellites, Proton
Grigorov, N. L. et al., 19.1-88
Soviet space probe, Luna 9
Davies, J. G., 19.5-538
Soviet space probe, Luna 10
Dolginov, Sh. Sh. et al., 19.1-86
Ness, N. F., 19.1-92
Vinogradov, A. P. et al., 19.1-482
Mandel'shtam, S. L. et al., 19.2-491
Davies, J. G., 19.5-538
Vinogradov, A. P. et al., 19.6-592
Nazarova, T. N. et al., 19.8-664
Vinogradov, A. P. et al., 19.9-676
Akim, E. L., 19.11-644
Soviet space probe, Luna 11
Grigorov, N. L. et al., 19.8-622
Slysh, V. I., 19.9-667
Soviet space probe, Luna 12
Slysh, V. I., 19.9-667

Soviet space probe, Luna 13
Cherkasov, I. I. et al., 19.4-574
Soviet space probe, Venera 2
Vernov, S. N. et al., 19.3-440, 535
Soviet space probe, Venera 3
Vernov, S. N. et al., 19.3-535
Soviet space probe, Venera 4
Anderson, A. D., 19.9-682
Reese, D. E. et al., 19.10-680
Kliore, A. et al., 19.12-596
Stewart, R. W., 19.12-600
Soviet space probe, Venus 2
Kurt, V. G., 19.9-353
Soviet space probe, Venus 3
Breus, T. K. et al., 19.8-595
Kurt, V. G., 19.9-353
Soviet space probe, Venus 4
Hunter, G. S., 19.5-565
Strong, J., 19.5-569
Serov, A., 19.10-684
White, S., 19.11-649
Soviet space probe, Zond 3
Vernov, S. N. et al., 19.3-440, 535
Lipskii, Iu. N. et al., 19.11-638
Soviet space research
Jastrow, R., 19.1-38
Tikhonravov, M. K. et al., 19.4-100
U. S. Joint Publications Research Service, 19.5-30
Kroshkin, M. G. et al., 19.5-115
Aviation Week and Space Tech., N.Y., 1967, 19.6-66
Internat. Counc. of Sci. Unions, Studies of the upper atmos. and out. space..., 19.8-611
Gatland, K. W., 19.8-647
Krieger, F. J., 19.10-642
Soybean culture
Kalmykova, V. V., 19.8-60, 61
Soybean ripening
Kalmykova, V. V., 19.8-60
Space charge measurements
Krasnogorskaia, N. V., 19.4-390
Bradley, W. E., 19.12-454
Space communications
NATO, Advisory Group for Aerospace Res. and Dev., Ionospheric Research Committee, 19.7-14
Bachynski, M. P., 19.8-75
Internat. Radio Consultative Comm., 19.8-273
Millman, G. H., 19.8-274
Paghis, I., 19.8-524
Easterling, M. et al., 19.8-643
Internat. Radio Consult. Comm., 19.9-583
Kalil, F., 19.10-659
Hogg, D. C., 19.11-445
Space environment
Albright, G. A. et al., 19.1-21
Heller, G. B., 19.11-41
Space flight instruments
Johnson, V. L. et al., 19.10-645
Space flight physiology
Perel, D. H. et al., 19.5-554
Space flight program manual
U. S. Natl. Aeronautics and Space Administration, 19.2-27
Space flight radiation hazard
Haffner, J. W., 19.8-8
Curtis, S. B. et al., 19.8-555
Space geophysics
Di Benedetto, F., 19.10-38
Space meteorology
Sternberg, S., 19.9-657
Webb, W. L., 19.12-41
Space photography
Underwood, R. W., 19.6-556
Space physics
Hunter, G. S., 19.11-594
Space physics conferences
Vsesoiuznoe Soveshchanie po Kosmofizicheskomu Napravleniiu Issledovanii Kosmicheskikh Luchei, 1st, Yakutsk, Aug./Sept. 1962, 19.1-15
Space physics experimental techniques
Fahleson, U. et al., 19.1-155
Space probe cosmic ray measurements
Anderson, H. R., 19.8-551
McCoy, J. E. et al., 19.8-559
Space probe investigation of solar radio emission
Slysh, V. I., 19.9-667
Space probe investigation of solar wind
Khokhlov, M. Z., 19.7-626
Breus, T. K. et al., 19.8-595
Unti, T. W. J. et al., 19.9-642
Space probe magnetic measurements
Smith, E. J., 19.3-539
Iazarus, A. J. et al., 19.7-613
Space probe measurement of solar protons
Vernov, S. N. et al., 19.3-535
Space probe planetary radius measurement
Ash, M. E. et al., 19.10-682
Space radiation hazard
Grigor'ev, Iu. G. et al., 19.7-50
Higgins, P. W. et al., 19.7-51
Warren, C. S. et al., 19.7-52
Space research
U. S. Natl. Aeronautics and Space Administration, 19.2-27
Internatl. Space Science Sympos., 1965, 19.6-32
Favorskii, O. N. et al., 19.7-4
Internatl. Counc. of Sci. Unions, 19.8-603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614
Di Benedetto, F., 19.10-38
Spaceflight, London, 19.12-38
Space research, U. S.
Newell, H. E., 19.1-4
Space research and development
Ballentine, W. A., 19.6-62
McQuain, R. H., 19.11-68
Space research applications in astronomy
Smith, H. J., 19.1-458
Space research conferences
Lunar Internatl. Lab. Sympos., 1965, 19.6-30
Space research programs
Mercy, K. R., 19.4-564
Internatl. Counc. of Sci. Unions, 19.8-603, 605, 609
Newell, H. E. et al., 19.10-53
Space research reports
Royal Society of London, 19.12-37
Space science bibliographies
U. S. Air Force. Office of Aerospace Research, 19.3-33
Space science conferences
U. S. Natl. Aeron. and Space Admin., 19.4-573
Heller, G. B., 19.11-41
Space science journals
Astrophysics & Space Science, 19.11-57
Space ship propulsion
Stuhlinger, E., 19.10-644
Space technology
Mercy, K. R., 19.4-564
Space vehicle aerodynamics
DeRose, C. E., 19.5-571
Space vehicle data analysis
Kuiper, G. P., 19.6-588
Space vehicle development
Calif. Inst. of Tech. Jet Propul. Lab., 19.9-19
Space vehicle entry into planetary atmospheres
Darnell, W. L. et al., 19.9-686
Space vehicle guidance
Isaev, A. E., 19.4-562
Space vehicle instrumentation
Mercy, K. R., 19.4-564
Hughes Aircraft Co. Space Systems Div., 19.5-22
Space vehicle meteorology
Samir, U., 19.12-564
Space vehicle orientation control systems
Fontana, A., 19.6-295

Space vehicle parachutes
 Darnell, W. L. et al., 19.9-686
Space vehicle photography
 Hogge, J. E., 19.5-41
Space vehicle radiation shielding
 Miller, W. D. et al., 19.6-296
 Haffner, J. W., 19.8-8
 Curtis, S. B. et al., 19.8-555
Space vehicle radiative heating
 Heller, G. B., 19.11-41
Space vehicle rendezvous
 Isaev, A. E., 19.4-562
 Williams, J. R. et al., 19.5-44
Space vehicle temperature control
 Russell, L. W. et al., 19.11-602
 Schafer, C. F. et al., 19.11-603
Space vehicles
 Mercy, K. R., 19.4-564
Spar buoy wave meters
 Ford, J. R., 19.1-516
Spatial distribution of oxygen
 Dobrzhanskaia, M. A., 19.10-729
Spatial rainfall distribution
 McGee, O. S. et al., 19.9-504
Specific heat of sea ice
 Ono, N., 19.11-751
Spectra photometric observations of planets
 Kalinenkov, N. D., 19.12-591
Spectral absorption
 Golubitskii, B. M. et al., 19.9-375; 19.10-395
Spectral analysis
 Hirasawa, T. et al., 19.3-480
Spectral analysis measurements
 Grimm, W., 19.12-95
Spectral attenuation coefficients of water
 Drummeter, L. F., Jr. et al., 19.8-719
Spectral differentiator
 Wyngaard, J. C. et al., 19.8-148
Spectral line profiles
 Wilson, P. R., 19.8-691
Spectral radiance of sky
 Knestrick, G. L. et al., 19.6-289
 Bullrich, K. et al., 19.7-298
Spectral radiation data
 Knestrick, G. L. et al., 19.6-289
Spectroheliographs
 Stair, R. et al., 19.12-239
Spectrometers
 Chaney, L. W. et al., 19.2-16
Spectrometric telescope
 Mabboux, C. et al., 19.2-436
Spectrophotometers
 Bener, P., 19.10-137
Spectrophotometric data
 Orrall, F. Q., 19.9-717
Spectrophotometric observation techniques
 Livingston, W. C., 19.9-713
Spectrophotometric ozone determination
 Hamilton, R. A. et al., 19.4-66
Spectrophotometry of Moon
 Mironova, M. N., 19.11-640
Spectroreflectometers
 Miller, E. R. et al., 19.10-156
Spherical function
 Bernadet, P. et al., 19.7-90
Spherical harmonic analysis
 Tiurmina, L. O. et al., 19.7-583
 Orlov, V. P. et al., 19.8-580
Spherical harmonic analysis of geomagnetic data
 Afraimovich, E. B. et al., 19.2-442
 Bazarzhapov, A. D. et al., 19.2-443
 Kahle, A. B. et al., 19.2-444
 Portnova, V. P. et al., 19.2-449
 Mishin, V. M. et al., 19.3-448
 Bazarzhapov, A. D. et al., 19.5-476
 Kilczer, G., 19.6-531
Spherical harmonics textbooks
 MacRobert, T. M., 19.11-2
Spherules in ice
 El Goresy, A., 19.6-725
Spicule models
 Mouradian, Z., 19.6-620
Spicules
 Vitkevich, V. V., 19.2-508
Spillway design
 Myers, V. A., 19.5-314
Spiral cloud patterns
 Hlachova, P., 19.6-265
 Gottwald, A., 19.11-440
Sporadic E (Es) classification
 Mukunda Rao, M. et al., 19.8-520
Sporadic E layer (Es)
 Ovezgel'dyev, O., 19.2-376
 Chernysheva, S. P. et al., 19.5-398
 Gershman, B. N. et al., 19.7-505
Sporadic E layer (Es) distribution
 Vinogradov, Iu. I., 19.10-559
Sporadic E layer (Es) drift
 Nitzsche, P., 19.1-381
Sporadic E layer (Es) echoes
 Khastgir, S. R. et al., 19.10-538
Sporadic E layer (Es) electron density
 Abhirama Reddy, C., 19.4-403
 Starovatov, A. A., 19.5-424
Sporadic E layer (Es) evolution
 Nguyen, M. T., 19.4-435
Sporadic E layer (Es) frequencies
 Vinogradov, Iu. I., 19.10-559
Sporadic E layer (Es)–geomagnetic relationships
 Starovatov, A. A., 19.1-388
 Chowdhury, N. et al., 19.2-346
 Zborovskaia, I. M., 19.2-390
 Schaeffer, R. C., 19.4-446
 Shvarts, Ia. M. et al., 19.5-422
 Morgan, A. D., 19.5-506
Sporadic E layer (Es) ionization
 Zborovskaia, I. M., 19.2-390
Sporadic E layer (Es) irregularities
 Ovezgel'dyev, O., 19.5-417
 Oya, H., 19.8-523
 Sato, T. et al., 19.10-553
Sporadic E layer (Es)–jet stream relationships
 Damon, T. D., 19.11-532
Sporadic E layer (Es) mechanism
 Chernysheva, S. P. et al., 19.1-366
 Wright, J. W., 19.3-403
Sporadic E layer (Es)–meteor relationships
 Kolomiets, A. R. et al., 19.2-369
Sporadic E layer (Es)–meteor shower relationships
 Wright, J. W., 19.3-403
Sporadic E layer (Es) movements
 Chimonas, G. et al., 19.4-411
Sporadic E layer (Es) reflection
 Chernysheva, S. P. et al., 19.1-366
 Chernysheva, S. P., 19.2-345
Sporadic E layer (Es)–solar activity relationships
 Vinogradov, Iu. I., 19.6-509
 Abhirama Reddy, C. et al., 19.8-496
Sporadic E layer (Es) structure
 Khastgir, S. R. et al., 19.10-538
 Smith, E. K., Jr., 19.10-557
Sporadic E layer (Es) theories
 Rai, D. B. et al., 19.4-443
Sporadic E layer (Es)–thunderstorm precipitation relationships
 Sartor, J. D., 19.6-470
Sporadic E layer (Es)–thunderstorm relationships
 Damon, T. D., 19.11-532
Sporadic E layer (Es) types
 Schaeffer, R. C., 19.4-446
Sporadic E layer (Es) variations
 Chavdarov, S. S. et al., 19.1-365
 Bondarenko, V. I., 19.3-376
 Schaeffer, R. C., 19.4-446

Mamrukov, A. P., 19.5-414
Ovezgel'dyev, O., 19.5-417
Vinogradov, Iu. I., 19.6-509
King, J. W. et al., 19.7-518
Baird, G. A., 19.10-513
Cohen, R., 19.10-521
Smith, E. K., Jr., 19.10-557
Sporadic E movements
Bowman, G. G., 19.12-471
Sporadic E studies
Mamrukov, A. P., 19.5-414
Sporadic meteor echoes
Triskova, L., 19.9-695
Sporadic meteor radiants
Trfskova, L., 19.7-676
Sporadic meteors
Triskova, L., 19.6-579
Spread F
Jespersen, J. L., 19.8-511
Spread F echoes
King, J. W. et al., 19.2-367
Spread F occurrence
King, J. W. et al., 19.2-367
Singleton, D. G., 19.4-449
Spread F—sunspot relationships
Singleton, D. G., 19.4-449
Spread F variations
Dyson, P. L., 19.7-502
Spring flood forecasting
Burakov, D. A., 19.12-133
Spring flood hydrological calculations
Burakov, D. A., 19.6-769
Spring flood runoff
Markova, O. L., 19.3-718
Spring floods
Chigirinskaia, K. P., 19.6-771
Gladki, H., 19.10-795
Spring frost damage
Sakai, A. et al., 19.8-352
Spring frosts
Forgac, P. et al., 19.10-304
Spring hydrograph forecasting
Burakov, D. A., 19.3-110
Zmieva, E. S., 19.3-119
Rudometov, M. V., 19.9-236
Spring hydrology
Mower, R. W., 19.1-596
Spring runoff
Bass, S. V. et al., 19.6-797
Shcherbak, A. V., 19.9-825
Spring stream flow
Shcherbak, A. V., 19.9-825, 832
Spring surface runoff calculation
Mishon, V. M., 19.7-832
Spring warmings
Barbe, G. D. et al., 19.9-271
Spring water discharges
Kriz, V. et al., 19.10-788
Spring water temperatures
Piotrovich, V. V., 19.10-789
Spring wheat cultivation
Kopyt, A. D., 19.10-798
Spring wheat yields
Kirilicheva, K. V., 19.4-39
Springs
Accerboni, E. et al., 19.7-823
Sprinkling
Konstantinov, A. R. et al., 19.12-44
Sprinkling irrigation
Seginer, I., 19.1-316
Squall analysis
Alvi, S. M. A., 19.4-236
Squall characteristics
Alvi, S. M. A., 19.4-236
Squall formation
Peskov, B. E., 19.4-238; 19.6-278
Squall line analysis
Bodolai, I. et al., 19.2-180
Kundu, M. M. et al., 19.4-79
Squall line formation
Bodolai, I. et al., 19.2-180
Squall vortices
Vasil'ev, A. A. et al., 19.11-82
Squirrel ecology
Drescher, J. W., 19.5-351
Stability
Schultz-Grunow, F., 19.10-244
Stability of baroclinic vortices
Ooyama, K., 19.2-154
Stability of lower atmosphere
Diaconescu, I. Gh. et al., 19.11-303
Stack design
Clarke, J. H., 19.8-225
Stack effluent diffusion
Fohl, T., 19.2-137
Marsh, K. J. et al., 19.2-139
Nester, K., 19.6-211
Clarke, J. H., 19.8-225
Strom, G. H., 19.8-381
Hoegstroem, U., 19.11-265
Stack inflow
Joerg, O. et al., 19.5-170
Stack meteorology
Szepesi, D., 19.12-276
Stack oscillations
Wootton, L. R., 19.11-389
Parkinson, G. V. et al., 19.11-411
Stage—discharge definition
Bailey, J. F. et al., 19.4-767
Standard atmosphere
Srivastava, H. N., 19.4-201
Standard atmosphere for tropics
Srivastava, H. N., 19.4-201
Standard atmosphere tables
United States Committee on Extension to the Standard Atmosphere, 19.2-9
Standard barometers
Pokrovskaia, I. A., 19.8-124
Standard levels
Struylaert, W., 19.4-205
Standards laboratories
Natl. Conference of Standards Labs., Wash., D.C., 19.4-15
Standing waves
Gates, W. L., 19.3-659
Star catalogue
Hawkins, G. S. et al., 19.11-687
State of sea data
Saint Thomas University, Houston. Institute for Storm Research, 19.4-88
State of sea forecasting
Bretschneider, C. L., 19.6-267
State of sea measurement techniques
Tveten, L. H., 19.1-572
Static stability
Popov, A. K. et al., 19.10-166
Statics in meteorology
Panofsky, H. A., 19.7-26
Stationary perturbations
Murakami, T., 19.2-170
Stationary waves
Das, P. K. et al., 19.7-276
Statistical analysis
Eddy, A. et al., 19.12-1
Posey, C. J., 19.12-74
Statistical analysis of hydrologic data
Rodriguez Iturbe, I., 19.3-682
Statistical analysis of ionospheric winds
Rosenberg, N. W., 19.12-507
Statistical analysis of precipitation
Nordoe, J. et al., 19.11-447
Statistical analysis of rainfall
Van Montfort, M. A. J., 19.11-110
Statistical analysis of rainfall data
Hirsch, F., 19.4-344
Statistical analysis of turbulence
Gault, J. D., 19.5-243
Statistical bases for long range forecasting
Ped', D. A. et al., 19.2-114
Todaro, C., 19.10-169
Statistical climatic data
Darchen, J., 19.5-13
Statistical forecasting
Petkovsek, Z., 19.2-321
Groenewoud, C. et al., 19.7-102
Panofsky, H. A. et al., 19.10-1
Chen, Y. L., 19.11-181
Statistical forecasting from dynamic models
Gleeson, T. A., 19.11-177
Statistical forecasting of precipitation
Russo, J. A., Jr., 19.6-171

Statistical forecasting techniques
Lorenz, E. N., 19.7-175
White, R. M., 19.7-176
Brier, G. W., 19.11-107
Miller, R. G., 19.12-117
Statistical methods
Glahn, H. R., 19.2-65
Eddy, A. et al., 19.12-1
Lewis, F., 19.12-60
Eddy, A. et al., 19.12-281
Statistical methods in astronomy
Kurth, R., 19.11-24
Statistical methods in climatology
Shi, Y., 19.2-307
Statistical methods in forecasting
Mertsalov, A. N., 19.3-115
Petersen, D. P., 19.8-7
Statistical methods in hydrology
Benson, M. A. et al., 19.3-679
Matalas, N. C., 19.3-681
Quimpo, R. G., 19.6-104
Kartvelishvili, N. A., 19.9-9
Wallis, J. R., 19.11-786
Statistical methods in meteorology
O'Brien, J. J. et al., 19.3-49
Bernadet, P. et al., 19.7-90
Groenewoud, C. et al., 19.7-102
Ariel', N. Z., 19.9-117
Adenstedt, R. K., 19.11-108
Natl. Conf. on Statistical Met., 1st, Hartford, Conn., May 27-29, 1968, 19.12-15
Gringorten, I. I., 19.12-59
McCabe, J. T., 19.12-61
Statistical models of wind profiles
Daniels, G. E. et al., 19.9-315
Statistical studies
Petryshyn, W. V., 19.7-100
Statistical tests of cloud seeding
Holland, J. D. et al., 19.7-212
Statistics in astronomy
Kurth, R., 19.11-24
Statistics in meteorology
Panofsky, H. A. et al., 19.10-1
Reynolds, G., 19.10-80
Statistics textbooks
Snedecor, G. W. et al., 19.8-4
Steady state quasi-geostrophic theory
Sankar Rao, M., 19.10-365
Stellar aerodynamics
Sachdev, P. L., 19.12-661
Stellar astrophysics
Maksumov, M. N., 19.3-510
Goulard, R., 19.8-629
Rybicki, G. B., 19.8-692
Symp. on Cosmical Gas Dynamics, Nice, 1965, 19.9-32
Stellar atmospheres
Ulmschneider, P. H., 19.4-596
Boehm, E., 19.5-608
Mihalas, D., 19.6-634, 635
Strom, S. E., 19.6-636
Gurzadian, G. A., 19.7-572
Chiu, H. Y., 19.8-672
Wilson, P. R., 19.8-691
Rybicki, G. B., 19.8-692
Symp. on Cosmical Gas Dynamics, Nice, 1965, 19.9-32
Sargent, W. L. W., 19.11-686
Adams, T. F. et al., 19.12-658
Hickok, F. R. et al., 19.12-660
Stellar brightness
Doherty, L. R., 19.11-142
Stellar chromospheres
Kandel, R., 19.11-685
Stellar continuum
Mihalas, D., 19.6-634
Stellar corona
Ulmschneider, P. H., 19.4-596
Stellar dynamics
Middlehurst, B. M. et al., 19.8-25
Stellar emission lines
Peimbert, M., 19.6-565
Stellar envelope structure
Sachdev, P. L., 19.12-661
Stellar magnetism
Ferraro, V. C. A., 19.4-531
Stellar magnitudes of meteors
Astavin-Razumin, D. L., 19.11-653
Stellar models
Adams, T. F. et al., 19.12-658
Hickok, F. R. et al., 19.12-660
Stellar nucleosynthesis theory
Macklin, R. L. et al., 19.1-474
Stellar photospheres
Kalkofen, W., 19.6-633
De Jager, C. et al., 19.7-700
Stellar radio emission
Kundu, M. R., 19.11-624
Stellar radio radiation absorption
McCrea, W. H., 19.11-625
Stellar spectral analysis
Underhill, A. B. et al., 19.5-607
Boehm, E., 19.5-608
Kalkofen, W., 19.6-633
Strom, S. E., 19.6-636
Adams, T. F. et al., 19.12-658
Hickok, F. R. et al., 19.12-660
Step-backwater method
Bailey, J. F. et al., 19.4-767
Steppe climates
Zhirkov, K. F., 19.9-369
Steppe effects on runoff
Mishon, V. M., 19.7-832
Stepped leader
Gladshtein, N. D., 19.6-469
Stereo tape recorders
Pike, J. M., 19.10-145
Stereophotogrammetric photography
Burov, M. I., 19.9-556
Stereophotogrammetric studies of clouds
Balabuev, A. G., 19.6-381
Stereophotogrammetric studies of sea ice
Voevodin, V. A. et al., 19.11-754
Stereophotogrammetry
Van Wijk, M. G., 19.5-329
Stochastic hydrology
Quimpo, R. G., 19.7-834
Lloyd, E. H., 19.9-835
Stochastic processes
Bykov, V. D. et al., 19.1-16
Adenstedt, R. K., 19.11-108
Miller, R. G., 19.12-117
Stone glaciers
Suslov, V. F., 19.5-733
Storm analysis
Nania, A., 19.1-188
Esterbrook, C. C., 19.2-71
Swaminathan, D. R., 19.4-222
Weaver, R. L., 19.6-261
Majumdar, K. C. et al., 19.6-407
Uppal, H. L. et al., 19.6-775
Storm bumpiness
Vasil'ev, A. A. et al., 19.11-82
Storm development
Braham, R. R., Jr., 19.1-129
Storm effects on sea level
Janardhan, S., 19.6-270
Storm floods
Ivanov, R. N., 19.4-231
Ivanov, R. N. et al., 19.5-258
Banerji, S. et al., 19.6-258
Myers, V. A., 19.6-791
Kuznik, I. A. et al., 19.9-510
Storm forecasting
Miller, R. C., 19.2-25
Stas', I. I., 19.3-109
Storm formation
Swaminathan, D. R., 19.4-222
Storm frequencies
Stopa, M., 19.5-357
Storm glass
Sealey, A. F., 19.5-139
Storm intensities
Marwitz, J. D. et al., 19.9-466
Storm precipitation
Weaver, R. L., 19.6-261
Storm rainfall
Huff, F. A., 19.3-187
Myers, V. A., 19.6-791
Pullen, R. A., 19.9-472
Storm rainfall analysis
Dhar, O. N. et al., 19.6-405
Majumdar, K. C. et al., 19.6-407
Shenoy, R. C. et al., 19.6-409
Ratnam, V. et al., 19.7-399
Banerji, S. et al., 19.7-841

Storm rainfall distribution
Huff, F. A., 19.7-405
Raman, P. K. et al., 19.7-418
Storm rainfall–runoff relationships
Ohtaki, T., 19.5-315
Storm rainfall variations
Collinge, V. K. et al., 19.7-183
Storm runoff
Barr, D. I. H., 19.10-790
Storm surge calculations
Bretschneider, C. L., 19.4-228
Jelesnianski, C. P., 19.4-232
Bretschneider, C. L., 19.6-340
Storm surge effects
Hume, J. D. et al., 19.1-570
Storm surge forecasting
Jelesnianski, C. P., 19.4-232
Labzovskii, N. A. et al., 19.6-180
Ratnam, V. et al., 19.7-750
Sielecki, A., 19.8-183
Storm surge models
Nakamura, S., 19.6-694
Storm surge on continental shelf
Bretschneider, C. L., 19.4-228; 19.6-340
Storm surge theories
Ivanov, R. N., 19.4-231
Storm surges
Ivanov, R. N. et al., 19.5-258
Ratnam, V. et al., 19.7-750
Harris, D. L., 19.8-301
Bretschneider, C. L., 19.9-790
Storm tides
Kohlmetz, E., 19.6-260
Storm warning services
Moshenichenko, I. E., 19.4-163
Storm winds
Nania, A., 19.1-188
Storms at sea
Nania, A., 19.1-188
Strait hydrology
Steyaert, M., 19.5-623
Stratification of atmosphere
Abramovich, K. G., 19.6-334
Amersdorffer, R., 19.7-110
Ivanovskii, A. I., 19.9-304
Stratified fluid flow
Chuang, H. et al., 19.10-369
Stratified fluids
Veronis, G., 19.7-260
Stratified isotropic media
Westcott, B. S., 19.10-222
Stratiform cloud forecasting
Matveev, L. T., 19.1-118
Stratiform cloud formation
Matveev, L. T., 19.1-118
Stratiform cloud formations
Shishkina, L. D., 19.12-350
Stratiform clouds
Zaverina, M. V. et al., 19.12-343
Khrgian, A. Kh., 19.12-346
Nevzorov, A. N., 19.12-348
Stratocumulus clouds
Borovikov, A. M. et al., 19.12-345
Stratopause temperature variations
Gille, J. C., 19.8-249
Stratopause temperatures
Faust, H., 19.1-80
Stratoscope II
Ellerton, G. C., Jr. et al., 19.5-95
Stratosphere–ionosphere interaction
Shapley, A. H., 19.11-278
Stratosphere–troposphere exchange
Danielsen, E. F., 19.9-273
Stratospheric aerosol layer
Roessler, F., 19.8-237
Stratospheric anticyclones
Bezuglaia, E. Iu., 19.1-195
Trubnikov, B. N., 19.8-359
Stratospheric attenuation of radiation
Miller, D. E., 19.5-221
Stratospheric balloons
Roehrs, H., 19.7-132
Stratospheric circulation
Martell, E. A., 19.2-149
Kennedy, J. S. et al., 19.2-164
Gokhale, G. S. et al., 19.4-218
Gaigerov, S. S., 19.5-177
Williams, B. H., 19.6-251
Mironovitch, V., 19.7-330
Zhukova, L. P. et al., 19.8-290
Barbe, G. D. et al., 19.8-389
Internatl. Yrs. of the Quiet Sun, 1964-1965, 19.9-407
Trubnikov, B. N. et al., 19.10-200
Ermakov, V. M. et al., 19.10-202
Riazanova, L. A. et al., 19.10-206
Smirnov, I. P. et al., 19.10-208
Phillpot, H. R., 19.12-201
Stratospheric circulation changes
Pogosian, Kh. P. et al., 19.3-191
Wallace, J. M. et al., 19.7-281
Vuorela, L. A., 19.7-331
Stratospheric circulation models
Byron-Scott, R., 19.5-195
Stratospheric circulation symposia
Webb, W. L., 19.7-245
Stratospheric clouds
Twomey, S. et al., 19.9-487
Stratospheric composition
Nicolet, M., 19.8-257
Murcray, D. G. et al., 19.12-154
Stratospheric cyclonic circulation models
Pchelko, I. G., 19.9-283
Stratospheric density
Quiroz, R. S. et al., 19.3-137
Stratospheric diffusion
Zimmerman, S. P., 19.6-228
Stratospheric disturbances
Yanai, M. et al., 19.2-150
Maruyama, T., 19.7-274
Mironovitch, V., 19.7-330
Stratospheric dust
Newkirk, G., Jr., 19.1-146
Rosen, J. M. et al., 19.1-154
Bhandari, N. et al., 19.7-221
Grjebine, T. et al., 19.8-227
Stratospheric dust clouds
Miller, D. E., 19.5-221
Stratospheric dust effect on solar radiation
Flowers, E. C. et al., 19.12-226
Stratospheric energetics
Murakami, T., 19.3-220
Richards, M. E., 19.10-243
Stratospheric heating
Bekoriukov, V. I. et al., 19.9-402
Stratospheric humidity
Sissenwine, N. et al., 19.5-281
Kondrat'ev, K. Ia. et al., 19.9-279
Stratospheric humidity measurement techniques
Houghton, J. T., 19.8-400
Stratospheric humidity measurements
Houghton, J. T., 19.8-400
Stratospheric meteorology
Colloque Franco-Belge sur les Problemes..., March, 1965, 19.8-19
Stratospheric mixing ratio
Mastenbrook, H. J., 19.7-366
Houghton, J. T., 19.8-400
Stratospheric motions
Zindler, H., 19.6-229
Stratospheric oscillations–sunspot activity relationships
Berson, F. A. et al., 19.8-245
Stratospheric polar cyclones
Pogosian, Kh. P. et al., 19.3-191
Stratospheric polar vortexes
Hirota, I., 19.7-279
Stratospheric pressure
Johnson, K. W. et al., 19.10-309
Stratospheric radiation
Kondrat'ev, K. Ia. et al., 19.6-227
Stratospheric research
Newell, R. E., 19.4-193

Stratospheric sky radiance
MacQueen, R. M., 19.9-281
Stratospheric storage of radioactive products
Joshi, L. U. et al., 19.3-153
Stratospheric structure
Gaigerov, S. S., 19.5-177
Stratospheric temperature and wind field
Vuorela, L. A., 19.7-331
Nordberg, W. et al., 19.8-356
Stratospheric temperature distribution
Trubnikov, B. N., 19.8-359
Warnecke, G. et al., 19.10-307
Stratospheric temperature–electron collision frequency relationships
Heard, W. C., 19.8-251
Stratospheric temperature measurement techniques
Ballard, H. N., 19.4-69
Hyson, P., 19.12-259
Stratospheric temperature–optical properties relationships
Kohl, G., 19.11-367
Stratospheric temperature regime
Stanchev, K. et al., 19.9-286
Stratospheric temperature variations
Bezuglaia, E. Iu., 19.1-195
Angell, J. K. et al., 19.3-146
Yamamoto, R. et al., 19.3-218
Berson, F. A. et al., 19.8-245
Willett, H. C., 19.9-405
Geokhlanian, T. Kh. et al., 19.10-308
Johnson, K. W. et al., 19.10-309
Stratospheric temperature variations–cosmic ray relationships
Inoue, A. et al., 19.9-274
Stratospheric temperatures
Pogosian, Kh. P. et al., 19.3-191
Nitzschke, P., 19.11-368
Theon, J. S. et al., 19.12-260
Stratospheric warming
Sazonov, B. I. et al., 19.1-233
Labitzke, K., 19.3-219
Byron-Scott, R., 19.5-195
Barbe, G. D. et al., 19.9-271
Belmont, A. D. et al., 19.9-272
Inoue, A. et al., 19.9-274
Internatl. Yrs. of the Quiet Sun, 1964-1965, 19.9-407
Riazanova, L. A., 19.10-205
Geokhlanian, T. Kh. et al., 19.10-308
Berson, F. A., 19.12-152
Zhdanov, L. A., 19.12-198
Stratospheric warming, Jan-Feb. 1952
Murakami, T., 19.3-220
Stratospheric warming, Jan.-Feb. 1958
Bowman, W. A., 19.8-10
Stratospheric warming analysis
Uranova, L. A., 19.8-357
Stratospheric warming–geomagnetic relationships
Mironovitch, V., 19.7-330
Stratospheric warming–ionospheric variation relationships
Manson, A. H., 19.7-523
Stratospheric warming phenomenon
Vuorela, L. A., 19.7-331
Bekoriukov, V. I., 19.8-362
Hirota, I., 19.8-363
Kriester, B., 19.11-369
Stratospheric warming–sodium relationships
Geisler, J. E. et al., 19.3-143
Stratospheric water vapor measurement techniques
Zander, R. et al., 19.4-313
Neporent, B. S. et al., 19.5-70
Stratospheric water vapor profiles
Mastenbrook, H. J., 19.7-366
Stratospheric waves
Maruyama, T. et al., 19.2-165
Wallace, J. M. et al., 19.12-156
Stratospheric westerlies
Maruyama, T., 19.7-274
Stratospheric wind periodicities
Quiroz, R. S. et al., 19.1-270
Stratospheric wind profiles
Bedinger, J. F. et al., 19.7-352
Stratospheric wind regime
Burkard, O. M., 19.7-238
Stratospheric wind variations
Wallace, J. M., 19.6-10
Rahmatullah, M. et al., 19.8-394
Berson, F. A., 19.12-152
Stratospheric winds
Zak, J. A. et al., 19.3-246
Miers, B. T., 19.4-304
Steinhauser, F., 19.6-351
Stratospheric winds near equator
Maruyama, T. et al., 19.2-165
Stratus forecasting
Lovisz, W. A., 19.6-57
Stream flow analysis
Abal'ian, T. S., 19.4-750
Quimpo, R. G., 19.6-104; 19.7-834
Kartvelishvili, N. A., 19.9-9
Shcherbak, A. V., 19.9-832
Sinaiskaia, T. M. et al., 19.10-787
Dacey, M. F., 19.12-814
Stream flow calculations
Gerasimov, S., 19.1-591
Koren', V. I. et al., 19.3-715
Levin, A. G. et al., 19.3-716
Lysenko, K. A., 19.4-763
Onufrienko, L. G., 19.4-764
Rudometov, M. V., 19.9-236
Kuchment, L. S., 19.9-828
Koren', V. I. et al., 19.9-863
Orieux, A. et al., 19.11-806
Stream flow–channel relationships
Norgaard, R. B., 19.11-805
Stream flow–climatic relationships
Roschke, G., 19.7-799
Stream flow data
Australia. Dept. of National Development, 19.3-2
Stream flow estimation
Furness, L. W. et al., 19.1-590
Stream flow forecasting
Frohnholzer, J., 19.6-179
Thomas, C. A., 19.8-184
Stream flow increase–weather modification relationships
Yevdjevich, V. M., 19.7-199
Stream flow investigations
Liutik, P. M., 19.7-831
Stream flow measurement techniques
Dincer, T., 19.9-862
Stream flow measurements
Stachy, J., 19.6-793
Stream flow regime
Baiusheva, M. I., 19.11-803
Stream flow under ice cover
Sinotin, V. I., 19.4-765
Kamada, S. E., 19.6-796
Stream flow variations
Onufrienko, L. G., 19.4-764
Vishnevskii, P. F. et al., 19.4-766
Berry, K., 19.6-794
Kemmerikh, A. O., 19.7-828
Rozhdestvenskii, A. V., 19.7-835
Kartvelishvili, N. A., 19.9-9
Stream function computation
Mancuson, R. L., 19.3-55
Stream function fields
Mancuson, R. L., 19.3-55
Stream gaging techniques
Nutter, W. L. et al., 19.12-791
Streaming plasma
Stubbs, H. E., 19.10-607
Streamline analysis
Jarvis, E. C., 19.7-186
Stress relaxation of ice
Vialov, S. S., 19.11-770
Voitkovskii, K. F., 19.11-771
Strip mulching
Shvebs, G. I., 19.7-836
Strong wind analysis
Streten, N. A., 19.3-230

Strong wind forecasting
  Ju, J. J. et al., 19.6-169
Strong wind frequencies
  Cott, A. W. et al., 19.4-277
  Saxena, S. P. et al., 19.4-295
  Koshinskii, S. D., 19.11-397
Strong wind regime
  Dydina, L. A., 19.11-398
Strontium in rocks
  Virgo, D., 19.12-165
Strontium in sea water
  Nelepo, B. A. et al., 19.2-554
  Turekian, K. K. et al., 19.4-643
  Anderson, N. R. et al., 19.6-660
Strontium in stratosphere
  Fabian, P. et al., 19.11-287
Strontium-89 in sea water
  Zlobin, V. S., 19.2-555
Strontium-89 in seaweed
  Zlobin, V. S., 19.2-555
Strontium-90 budget
  Benson, P. A. et al., 19.4-204
Strontium-90 fallout
  Feely, H. W., 19.1-168
Strontium-90 fallout in rain
  Fabian, P. et al., 19.11-287
Strontium 90 in convective storms
  Huff, F. A. et al., 19.12-164
Strontium-90 in drinking water
  Bonneyman, J. et al., 19.7-255
Strontium-90 in glaciers
  Picciotto, E. et al., 19.5-720
Strontium-90 in sea water
  Iakovleva, G. V., 19.2-152
Strontium-90 in the atmosphere
  Volchok, H. L. et al., 19.4-203
Strontium-90 stratospheric storage
  Feely, H. W., 19.1-168
Structure of monsoon depressions
  Miller, F. R. et al., 19.12-5
Subcontinental and oceanic mantles
  Tozer, D. C., 19.12-738
Subdwarfs
  Strom, S. E., 19.6-636
Submarine canyon investigations
  Ross, D. A., 19.12-724
Submarine equipment
  Fine, S., 19.8-711
Submarine plateaus
  Sclater, J. G. et al., 19.5-689
Submarine topography effects on currents
  Ryzhkov, Iu. G., 19.2-567
  Takano, K., 19.5-677
  Holland, W. R., 19.6-341
Submersibles
  Burke, F. P., Jr. et al., 19.9-747
  Piccard, J., 19.11-698
Subsidence inversions
  Haraguchi, P. Y., 19.8-353
Subsidence motion
  Williams, D. T., 19.10-351
Subsynoptic scales
  Saucier, W. J., 19.9-70
Subtropical countercurrent
  Yoshida, K. et al., 19.9-458
Subtropical cyclones
  Nozumi, Y. et al., 19.6-265
Subtropical jet stream
  Jospeh, P. V., 19.4-306
  Levi, M., 19.6-385
  Wiegman, E. J. et al., 19.7-384
  Trajer, F. L., 19.8-395
Subtropical jet stream location
  Dettwiller, J., 19.3-184
Subtropical planetary upper frontal zone
  Komarov, V. S., 19.7-329
Subtropical upper westerlies
  Vu, B. K., 19.2-256
Sudden commencements
  Bowman, G. G., 19.1-29
  Krainski, W., 19.3-489
Sudden cosmic noise absorption events
  Castelli, J. P., 19.7-652
Sudden frequency deviations
  Donnelly, R. F., 19.4-414
Sudden impulses
  Patel V. L., 19.10-629
Sudden ionospheric disturbances
  Kaufmann, P. et al., 19.2-363
  Jean, A. G. et al., 19.6-487
  Kaufmann, P. et al., 19.7-512
  Lincoln, J. V., 19.8-518
  Eliseeva, L. A., 19.11-679
Sudden storm commencements
  Nishida, A., 19.3-490
  Srivastava, B. J., 19.3-491
  Bhargava, B. N., 19.4-522
  Fanselau, G. et al., 19.7-603
  Rikitake, T., 19.12-538
Sugar beet cultivation
  Chamberlain, A. C., 19.4-35
  Kontorshchikova, O. M., 19.4-40
  Kramar, L. M., 19.8-63
  Paduraru, A. et al., 19.11-86
Sugar beet harvesting
  Kramer, L. M., 19.8-64
Sugar beet yield
  Mikhailova, N. I., 19.9-101
Sugar beets
  Gigor'eva, L. K., 19.9-100
Sukhovei
  Volevakha, V. A., 19.1-264
Sukhovei effects
  Volevakha, V. A., 19.2-248
Sukhovei effects on crop yield
  Razumova, L. A. et al., 19.4-44
Sulfates in rainwater
  Rafter, T. A. et al., 19.5-322
Sulfur aerosol distribution
  Ludwig, F. L. et al., 19.7-469
Sulfur compounds in sea water
  Skopintsev, B. A. et al., 19.4-642
Sulfur content of air
  Vittori Antisari, O. et al., 19.1-152
Sulfur dioxide
  Kiyoura, R., 19.7-227
Sulfur dioxide concentrations
  Leone, I. A. et al., 19.7-228
Sulfur dioxide content of air
  Szepesi, D., 19.1-151
  Sladek, I., 19.7-470
Sulfur dioxide diffusion
  Prinz, B. et al., 19.7-232
Sulfur dioxide in atmosphere
  Vittori Antisari, O. et al., 19.1-152
  Marsh, K. J. et al., 19.2-139
  Georgii, H. W. et al., 19.6-202
Sultriness
  Kusakabe, M., 19.2-58
Sultriness thermometer
  Schindler, G., 19.1-104
Summer monsoon system
  Miller, F. R. et al., 19.12-5
Summer precipitation–runoff volume relationships
  Hannaford, J. F. et al., 19.7-404
Summer rainfall
  Osborn, H. B., 19.12-364
Summer rainfall regime
  Kisilenko, A. A., 19.2-286
Summer temperature forecasting
  Todaro, C., 19.10-169
Summer temperatures
  Schindler, G., 19.7-320
Summer weather
  Miles, M. K., 19.6-440
Summer weather forecasting
  Love, D. M., 19.10-179
Sun
  Michard, R., 19.7-682
Sunflower leaves
  Gezalian, M. G., 19.9-470
Sunlight pressure
  Shapiro, I. I. et al., 19.1-148
Sunrise and sunset time calculations
  Robertson, G. W. et al., 19.10-285
Sunrise effects on ionosphere
  King, J. W. et al., 19.7-519
  Mechtly, E. A. et al., 19.7-524
  Evans, J. V., 19.12-477
Sunrise effects on sferics
  Schoute-Vanneck, C. A. et al., 19.8-493

Sun's oblateness
  Dicke, R. H., 19.2-504
  Gilvarry, J. J. et al., 19.6-611
  Roxburgh, I. W., 19.6-612
  Sturrock, P. A. et al., 19.6-613
Sun's polar magnetic field
  Godoli, G., 19.12-649
Sun's rotation
  Dicke, R. H., 19.2-504
Sunshine data
  U. S. Weather Bureau, 19.6-293
Sunshine duration
  Rocznik, K., 19.5-218
Sunshine duration measurements
  Sekihara, K. et al., 19.2-201
Sunshine duration–solar radiation relationships
  Swartman, R. K. et al., 19.6-103
Sunshine duration variations
  Haensch, W. et al., 19.1-294
Sunshine effects on frost damage
  Sakai, A. et al., 19.8-352
Sunshine recorders
  Sekihara, K. et al., 19.2-201
  Collins, B. G., 19.5-125
  Reuben, B., 19.8-117
Sunshine variations
  Parthasarathy, B., 19.4-248
Sunspot activity
  Neupert, W. M., 19.4-595
  Xanthakis, J., 19.12-634
Sunspot catalogs
  Gnevysheva, R. S., 19.10-698
Sunspot–coronal relationships
  Billings, D. E. et al., 19.8-683
Sunspot cycle effects on diurnal geomagnetic variations
  Ochabova, P., 19.9-631
Sunspot cycle–geomagnetic variation relationships
  Ochabova, P., 19.10-617
Sunspot cycles
  Xanthakis, J., 19.2-506
Sunspot data analysis
  Gleissberg, W., 19.7-692
Sunspot distribution
  Vostry, J., 19.3-598
  Pajdusakova, L., 19.4-590
  Haurwitz, M. W., 19.6-617
  Gleissberg, W., 19.11-676
Sunspot duration
  Gleissberg, W., 19.11-676
Sunspot effects on density scale heights
  Moe, K. et al., 19.9-253
Sunspot effects on geomagnetic variations
  Wagner, C. U., 19.8-573
Sunspot effects on ionosphere
  Nelson, G. J., 19.8-521
Sunspot formation
  Ikhsanov, R. N., 19.6-616
  Stepanian, N. N., 19.8-675
Sunspot frequencies
  Gleissberg, W., 19.7-692
Sunspot–geomagnetic relationships
  Zhigalova, N. N., 19.5-491
  Fanselau, G., 19.7-595
Sunspot–ionosphere relationships
  Jogulu, C. et al., 19.11-539
Sunspot magnetic field
  Stankiewicz, A., 19.2-505
  Adam, M. G., 19.6-615
  Ikhsanov, R. N., 19.6-616
  Gopasiuk, S. I., 19.9-705
  Ikhsanov, R. N., 19.10-699
  Gopasiuk, S. I., 19.12-619
  Ikhsanov, R. N., 19.12-620
  Steshenko, N. V., 19.12-623
  Xanthakis, J., 19.12-634
  Zwaan, C., 19.12-635
Sunspot magnetic structure
  Sakurai, K., 19.9-627
Sunspot magnetism
  Zwaan, C., 19.3-601
  Altschuler, M. D. et al., 19.10-697
  Dizer, M., 19.12-630
  Prokof'ev, V. K. et al., 19.12-632
Sunspot magnetism–weather relationships
  Abbot, C. G., 19.10-180
Sunspot maxima
  Gleissberg, W., 19.7-692
Sunspot minima
  Gleissberg, W., 19.7-692
Sunspot models
  Stankiewicz, A., 19.2-505
  Chitre, S. M. et al., 19.4-588
Sunspot motion analysis
  Starr, V. P. et al., 19.7-685
Sunspot movements
  Bumba, V., 19.4-587
  Gopasiuk, S. I., 19.9-705
Sunspot numbers
  Meeus, J., 19.4-589
  Ochabova, P., 19.10-617
Sunspot periodicities
  Toman, K., 19.3-590
Sunspot relative numbers
  Bhargava, B. N., 19.11-675
Sunspot spectra
  Haugen, E., 19.3-589
  Engvold, O., 19.6-629
  Dubov, E. E. et al., 19.7-701
  Stepanian, N. N., 19.8-675
  Khromova, T. P., 19.10-695
  Dubov, E. E., 19.12-625
  Maltby, P., 19.12-631
  Prokof'ev, V. K. et al., 19.12-632
  Zwaan, C., 19.12-635
Sunspot spectrophotometry
  Guseinov, M. Dzh., 19.7-693
Sunspot spectroscopy
  Zwaan, C., 19.12-635
Sunspot tables
  Waldmeier, M., 19.7-686
Sunspot temperature
  Stepanian, N. N., 19.8-675
  Buslavskii, V. G., 19.9-704
Sunspot–ultraviolet radiation relationships
  Leistner, W., 19.4-251
Sunspot umbrae
  Chitre, S. M. et al., 19.4-588
  Zwaan, C., 19.12-635
Sunspot variations
  Bhargava, B. N., 19.11-675
Sunspot velocity field
  Haugen, E., 19.3-589
  Gopasiuk, S. I., 19.9-705
Sunspots–E layer relationships
  Abhirama Reddy, C. et al., 19.8-496
Sunspots–radiocarbon correlations
  Lerman, J. C. et al., 19.5-583
Supercooled cloud freezing
  Poc, M. M., 19.9-496
Supercooled fog dissipation
  Appleman, H. S., 19.11-221
  Hindman, E. E., II, 19.11-223
  Kumai, M., 19.11-224
Supercooled fog structure
  Roulleau, M. et al., 19.4-389
Supercooling of water
  Spichkin, V. A., 19.1-31
Supergranulation cells
  Clark, A., Jr. et al., 19.7-687
Supernova
  McKee, C. F., 19.8-627
Superpressure balloons
  Lund, I. A., 19.5-98
  NCAR Quarterly, 19.6-120
  Lally, V. E. et al., 19.9-164
Superrefractive layers
  Gerks, I. H., 19.7-236
Supersaturation
  Levin, L. M. et al., 19.5-278
Supersaturation in clouds
  Levin, L. M. et al., 19.5-278
  Mazin, I. P., 19.12-330
Supersonic flights
  De Champaux, –, 19.9-81
  Hubbard, H. H., 19.9-85
  Conference on Sonic Boom Research, 19.12-17
Supersonic flow
  Myers, M. K. et al., 19.4-399
  Ailman, C. M. et al., 19.9-80
  Lykov, A. V. et al., 19.11-38
Supersonic transport and meteorology
  Kreitzberg, C. W., 19.3-36
  Warnecke, G., 19.6-55

Suprathermal cosmic ray gas
  Parker, E. N., 19.8-561
Surface radiation regime
  Chernigovskii, N. T., 19.12-223
Surface runoff regulation
  Shvebs, G. I., 19.7-836
Surface runoff retardation
  Surmach, G. P., 19.7-838
Surface temperature calculations
  Saltzman, B., 19.4-270
Surface temperature measurement techniques
  Krishna Menon, V. et al., 19.3-206
  Lorenz, D., 19.6-129, 317
  Gaevskii, V. L., 19.8-114
Surface temperature measurements
  Lorenz, D., 19.6-129
  Fujita, T. et al., 19.10-311
Surface temperature variations
  Angell, J. K. et al., 19.3-146
Surface–upper air humidity relationships
  Ball, J. T. et al., 19.12-316
  Chisholm, D. A. et al., 19.12-317
Surface water composition
  Hughes, L. S. et al., 19.5-762
Surface water hydrology
  Rantz, S. E. et al., 19.2-593
  Snyder, W. M., 19.4-740
  Bertle, F. A. et al., 19.6-732
Surface water research
  Snyder, W. M., 19.4-740
Surface water resources
  Panfilov, D. P., 19.5-770
  Richardson, D. et al., 19.7-825
  McCarthy, G. T. et al., 19.8-784
Surface water temperatures
  Henson, E. B. et al., 19.6-742
Surface waves
  Nag, S. K., 19.6-670
  Woodward, B. W. et al., 19.6-671
Surface wind analysis
  Baynton, H. W., 19.5-148
Surface wind data analysis
  Eddy, A. et al., 19.12-281
Surface wind forecasting
  Baynton, H. W., 19.5-148
Surface wind–geostrophic wind relationships
  Aota, A. et al., 19.9-222
Surface wind measurement techniques
  Maidens, A. L., 19.2-96
Surface wind roses
  Truppi, L. E., 19.9-450
Surface wind variations
  Aleem, A. A., 19.2-243
Surface winds
  Drennan, K. L., 19.6-638
"Surveyor" cruises
  Wyrtki, K., 19.2-522
Suspended sediment data
  Van Wyckhouse, R. J., 19.12-797
Suspended sediment flow
  Ivanov, Iu. N., 19.8-15
Sutcliffe's development theory
  Dohnal, K., 19.3-193
Swallow, J. C.
  Rakestraw, N. W., 19.3-27
Swamp effects on river discharge
  Zhelezniakov, G. V. et al., 19.3-702
Swedish hydrographic ships
  Niblock, R. W., 19.6-647
Swell effects on shore ice
  Leont'ev, E. B., 19.2-580
Swell wave models
  Monin, A. S., 19.11-736
Swell waves
  Sager, G., 19.11-739
Swine physiology
  Gunnarson, H. J., 19.11-90
Symposium on cosmical gas dynamics
  Symp. on Cosmical Gas Dynamics, Nice, 1965, 19.9-32
Symposium on Military Oceanography
  U. S. Navy Symp. on Mil. Oceanog., Wash., D.C., 1967, 19.9-110
Symposium on Pacific-Antarctic Sciences, Univ. of Tokyo, Aug. 23-27, 1966
  Symposium on Pacific-Antarctic Sci., Univ. of Tokyo, Aug. 23-27, 1966, 19.2-19
Synoptic analysis
  U. S. Natl. Met. Ctr., 19.6-168
  Stevenson, N. M. et al., 19.10-84
  Palmieri, S., 19.10-479
Synoptic analysis of satellite radiation measurements
  Belov, P. N. et al., 19.3-77
Synoptic analysis of tornadoes
  Hiser, H. W., 19.10-263
Synoptic case history studies
  Stevenson, N. M. et al., 19.10-84
Synoptic charts
  U. S. Environmental Data Service, 19.3-98
Synoptic climatology
  Shitara, H., 19.1-35
Synoptic climatology of Africa
  Novozhilova, N. I. et al., 19.11-317
Synoptic climatology of clouds
  Medvedev, B. A., 19.6-389
Synoptic climatology of Hawaii
  Worthley, L. E. et al., 19.4-382
Synoptic climatology of precipitation
  Maede, H., 19.1-226
  Zakharova, N. M., 19.1-303
  Jorgensen, D. L. et al., 19.2-284
  Weaver, R. L., 19.6-261
Synoptic climatology of radiation
  Diaconescu, I. Gh., 19.12-224
Synoptic climatology of rainfall
  Storr, D., 19.6-402
  Ratnam, V. et al., 19.7-399
  Jagannathan, P. et al., 19.7-406
  Lessmann, H., 19.8-438
Synoptic climatology of Slovenia, Yugoslavia
  Petkovsek, Z., 19.2-321
Synoptic climatology of temperature
  Maede, H., 19.1-226
  Mamontov, N. V., 19.12-248
Synoptic climatology of wind
  Mamontov, N. V., 19.12-282
Synoptic climatology of winter weather
  Golovin, G. N., 19.9-327
Synoptic climatology of Yugoslavia
  Cadez, M., 19.5-358
Synoptic climatology studies
  Van Loon, H., 19.2-166
  Berlin, I. A., 19.4-85
  Bradka, J., 19.4-383
  Fliri, F. et al., 19.5-200
  Nosek, M., 19.6-454
  Nikleva, S., 19.7-286
  Bayer, K. et al., 19.8-463
Synoptic conditions for atmospheric pollution
  Vvedenskaia, L. I. et al., 19.12-150
Synoptic conditions for blizzards
  Milea, E. et al., 19.11-399
Synoptic conditions for floods
  Wehry, W., 19.5-317
  Parthasarathy, M. C. et al., 19.6-773
  Banerji, S. et al., 19.7-841
  Changraney, T. G., 19.7-842
  Datta, R. K. et al., 19.7-844
  Dhar, O. N. et al., 19.7-845
  George, P. A. et al., 19.7-846
  Mukherjee, A. K. et al., 19.7-849
Synoptic conditions for foehn
  Tailakov, T., 19.3-236
  Picard, A., 19.5-251

Synoptic conditions for gales
Streten, N. A., 19.10-367
Milea, E. et al., 19.11-399
Stoica, C. et al., 19.11-400
Synoptic conditions for hailstorms
Venkateswarlu, V., 19.4-362
Synoptic conditions for heavy precipitation
Gensler, G., 19.5-311
Milea, E. et al., 19.11-399
Synoptic conditions for heavy rainfall
Roberti, R., 19.1-304
Schwarz, F. K., 19.3-295
Vanney, J. R., 19.3-296
Marx, S., 19.5-313
Pedgley, D. E., 19.5-316
Cheng, P. C., 19.6-404
Dhar, O. N. et al., 19.6-406; 19.7-845
George, P. A. et al., 19.7-846
Mukherjee, A. K. et al., 19.7-849
Henning, D., 19.11-454
Synoptic conditions for heavy snowfall
Passantino, S., 19.10-434
Synoptic conditions for high temperatures
Perry, A., 19.5-207; 19.10-303
Synoptic conditions for hoar frost
Stancescu, I. et al., 19.12-339
Synoptic conditions for low cloudiness
Abramovich, K. G., 19.5-296
Synoptic conditions for precipitation
Iakovlev, B. A., 19.5-308
Leonov, M. P., 19.12-360
Synoptic conditions for river ice formation
Beilinson, M. M. et al., 19.11-190
Synoptic conditions for showers
Orlova, E. M. et al., 19.3-288
Synoptic conditions for spring floods
Chigirinskaia, K. P., 19.6-771
Synoptic conditions for spring frosts
Forgac, P. et al., 19.10-304
Synoptic conditions for storm winds
Dydina, L. A., 19.11-398
Synoptic conditions for sukhovei
Volevakha, V. A., 19.1-264
Synoptic conditions for temperature anomalies
Ragozina, V. S., 19.11-366
Synoptic disturbances
Priestley, C. H. B., 19.8-284
Synoptic forecasting techniques
Lorenz, E. N., 19.7-175
Synoptic frontogenesis
Jalu, R. et al., 19.8-440
Synoptic micrometeorology
Saucier, W. J., 19.9-70
Synoptic networks
Taliaferro, W. J., 19.3-63
Synoptic observations
Netherlands. Met. Inst., 19.7-119
Synoptic patterns
Haupt, I., 19.1-89
Streten, N. A., 19.9-325
Synoptic processes
Tarasenko, D. A., 19.5-185
Lenova, G. V., 19.11-196
Synoptic processes over North Atlantic
Sorkina, A. I. et al., 19.11-319
Synoptic processes over North Pacific
Sorkina, A. I. et al., 19.11-319
Synoptic processes—precipitation regime correlations
Cherniakova, A. P., 19.10-418
Synoptic processes—wind field relationships
Davidova, N. G., 19.12-194
Synoptic radiation investigations
Woerner, H., 19.6-290
Synoptic scale cloud patterns
Beran, D. W. et al., 19.9-643
Synoptic scale pattern analysis
Feteris, P. J., 19.10-275
Synoptic scale systems
Lyons, W. A. et al., 19.8-426
Synoptic scale variations
LaSeur, N. E., 19.9-307
Synoptic weather patterns—hurricane formation relationships
Jordan, C. L., 19.8-307
Synoptic weather types
Bruch, H., 19.6-60
Synthetic fiber production
Schienbein, S., 19.11-4

T

Taiwan low development
U. S. Air Weather Serv. 1st Weather Wing, 19.12-128
Takpu Glacier
Watanabe, O. et al., 19.9-804
Talc in atmospheric dust
Windom, H. et al., 19.6-222
Tangential wind stress on sea surface
Beliaev, V. S., 19.5-256
Taylor columns
Hide, R., 19.3-446
Tea cultivation
Meladze, G. G., 19.3-114
Tea microclimatology
Ripley, E. A., 19.5-51
Teaching of hydrology
Universities Council on Water Resources, 19.5-29
Teaching of oceanography
Bayly, D. C., 19.5-614
Charlier, R. H., 19.5-615
Technetium in stars
Arnould, M., 19.12-659
Technical information systems
Johns Hopkins Univ., Baltimore. Center for Research in Scientific Communication, 19.4-21
Technological advances
Martin, A. W., 19.10-646
Nature, London, 19.11-67
Tectonic movements—sea level relationships
Jelgersma, S., 19.5-641
Tectonic processes
Wilson, J. T., 19.12-767
Tectonic theory of climatic change
Cox, A., 19.11-488
Damon, P. E., 19.11-489
Tectonics of Czechoslovakia
Cermak, V., 19.12-735
Tektite composition
O'Keefe, J. A. et al., 19.3-581
Tektite origin
Botley, C. M. et al., 19.3-579
Mills, A. A., 19.3-580
O'Keefe, J. A. et al., 19.3-581, 582
Tektite structure
Mills, A. A., 19.3-580
O'Keefe, J. A. et al., 19.3-581
Telemechanics in hydrometeorology
Vaisman, G. M., 19.7-1
Telemetering buoys
Capart, G., 19.1-514
Garstang, M. et al., 19.1-517
Kosic, R. F. et al., 19.1-523
McCalmont, A. M. et al., 19.1-525
Morgan, K. A. et al., 19.4-613
General Dynamics. Convair Div., San Diego, Calif., 19.8-702
Snodgrass, J. M., 19.8-714
Denton, R. F. et al., 19.9-744
Goodheart, A. J., 19.9-745
Telemetering equipment
Poggi, A. et al., 19.6-147
Srivastava, G. P. et al., 19.7-156
Telemetering oceanographic systems
Painter, D. W., II., 19.7-727
Telemetering systems
Kosso, E. V., 19.2-84

  Sachdev, R. N. et al., 19.2-104
  Vaisman, G. M., 19.7-1
  Persin, S. M., 19.8-145
  O'Bryant, R. et al., 19.10-96
  Bogomolov, A. M. et al., 19.11-158
  Fedotova, L. V. et al., 19.11-160
Telemetering systems of deep sea instruments
  Bloom, G. L. et al., 19.9-743
Telemetering wave recorders
  Montgomery, W. S., 19.9-757
Telescopes
  Bowen, I. S., 19.6-563
  Goody, R. et al., 19.8-659
  Brahde, R., 19.10-652
  Brown, P. L., 19.10-653
Teletype improvement
  Deutsch, L. P. et al., 19.9-210
Television applications
  Serebreny, S. M. et al., 19.7-395
Television observations
  Shoemaker, E. M. et al., 19.12-588
Television reception
  Shilov, E. V. et al., 19.9-115
Television weather broadcasts
  Dodson, E. B., 19.12-103
  Hungerford, A., 19.12-104
  King, J., 19.12-105
  Leep, R., 19.12-106
  McGlening, K., 19.12-107
  Pearson, A. D., 19.12-137
Telluric current measurement techniques
  Lopatnikov, V. I. et al., 19.4-620
Telluric current measurements
  Czuczor, J., 19.12-542
Telluric variations
  Meunier, J., 19.10-604
Temperature and pressure variation effects on thunderstorm occurrences
  Padmanabhamurty, B. et al., 19.7-293
Temperature and water vapor profiles
  Rodgers, C. D., 19.7-268
Temperature anomalies
  Gruza, G. V. et al., 19.3-211
  Hay, R. F. M., 19.10-318
  Ragozina, V. S., 19.11-366
Temperature anomaly charts
  Zorina, V. P., 19.2-220
Temperature anomaly distribution
  Zorina, V. P., 19.2-220
Temperature anomaly forecasting
  Ped', D. A. et al., 19.2-114
  Vachnadze, D. I., 19.10-170
Temperature at sea
  Filippov, V. V. et al., 19.9-389
Temperature calculations
  Novozhilova, M. P., 19.1-224
Temperature charting
  Furlan, D., 19.5-225
Temperature charts
  Thom, H. C. S., 19.11-363
  Landers, H., 19.12-247
Temperature comparisons
  Ingham, B., 19.9-386
Temperature conductivity coefficients
  Dolov, M. A., 19.10-432
Temperature control of solar cells in Earth orbit
  Liebert, C. H. et al., 19.9-648
Temperature control systems
  Lichfield, E. W. et al., 19.1-78
Temperature correlations
  Azernikova, O. A., 19.2-221
Temperature cycles
  Peng, L., 19.4-263
Temperature data
  Ashbel, D., 19.7-321
  Pedgley, D. E., 19.9-391
  Manning, J. C. et al., 19.9-461
  Ashbel, D., 19.9-530
  Lebedev, A. N., 19.11-15
Temperature data analysis
  Landers, H., 19.12-247
Temperature density correlations
  Quiroz, R. S. et al., 19.3-137
Temperature deviations
  Maede, H., 19.1-226
  Thom, H. C. S., 19.11-363
Temperature differences sea-air
  Kuziemski, J. et al., 19.11-496
Temperature distribution
  Burdecki, F., 19.9-385
  Posey, C. J., 19.12-74
Temperature distribution data
  Leonov, A. K., 19.7-746
Temperature distribution in ice
  Siegel, R. et al., 19.9-801
Temperature–drying rate relationships
  Stockburger, D., 19.6-85
Temperature effects on agricultural operations
  Krasnianskaia, V. P. et al., 19.8-50
Temperature effects on animals
  Drescher, J. W., 19.5-351
Temperature effects on beans
  Giurova, M., 19.6-73
Temperature effects on blood
  Lungu, Al. et al., 19.11-92
Temperature effects on cattle
  Hauptman, J., 19.7-64
  Berman, A., 19.8-345
Temperature effects on cattle production
  Johnson, H. D., 19.7-65
Temperature effects on corn
  Shevchenko, N. Ia., 19.2-55
Temperature effects on cosmic rays
  Efimov, N. N., 19.1-417
  Wang, C. P. et al., 19.4-503
  Carmichael, H. et al., 19.5-444
  Dutt, J. C. et al., 19.6-521
Temperature effects on crop yield
  Dermine, P. et al., 19.8-54
Temperature effects on geodetic measurements
  Botez, M. P. et al., 19.9-384
Temperature effects on grass
  Knipe, O. D., 19.6-71
Temperature effects on human body
  Tsitsenko, G. V., 19.9-356
Temperature effects on ice growth
  Kobayashi, T., 19.12-383
Temperature effects on line profiles
  Nussbaumer, H., 19.12-640
Temperature effects on livestock production
  Williams, C. M., 19.7-69
Temperature effects on metabolic rate
  Wilson, W. O., 19.7-70
Temperature effects on metabolism
  McNall, P. E., 19.11-359
Temperature effects on mortality
  Bridger, C. A., 19.11-355
Temperature effects on peanuts
  Wood, I. M. W., 19.10-300
Temperature effects on physiology
  Gregorczuk, M. et al., 19.2-216
  Hounam, C. E., 19.2-217
  Gregorczuk, M., 19.8-317
  Suggs, C. W., 19.9-387
  Milcu, St. M. et al., 19.11-360
  Serban, Al., 19.11-361
Temperature effects on plant growth
  Karlinski, M. et al., 19.10-478
Temperature effects on potatoes
  Nazarova, Z. A., 19.8-62
Temperature effects on radiosonde pressure
  Okada, Y., 19.7-146
Temperature effects on rice growth
  Chernysheva, L. S., 19.8-58
Temperature effects on rice plants
  Iwakiri, S., 19.7-57
Temperature effects on rye
  Cummins, D. G. et al., 19.5-48

- Temperature effects on seed germination
  - Caplenor, D., 19.1-51
  - Vickery, R. K., Jr., 19.1-54
- Temperature effects on sorghum
  - Downes, R. W., 19.8-56
- Temperature effects on soybean growth
  - Kalmykova, V. V., 19.8-60, 61
- Temperature effects on sugar beet development
  - Kramar, L. M., 19.8-63, 64
- Temperature effects on tree growth
  - Wilcox, J. R., 19.7-75
  - Aultizky, H., 19.8-344
- Temperature effects on water content of clouds
  - Dubrovina, L. S., 19.7-386, 387
- Temperature effects on wheat development
  - Varga-Haszonits, Z., 19.12-45
- Temperature effects on winter runoff
  - Simons, W. D., 19.6-308
- Temperature effects on winter wheat
  - Utrata, A., 19.7-187
- Temperature estimation from satellite radiation measurements
  - Kennedy, J. S. et al., 19.2-164
  - Karpova, V. M. et al., 19.5-67
  - Belmont, A. D. et al., 19.7-327
  - Shen, W. C. et al., 19.8-364
  - Smith, W. L., 19.10-87
  - Warnecke, G. et al., 19.10-307
- Temperature extremes
  - Finn, E. A., 19.1-230
  - Furlan, D., 19.5-225
  - Morasca, N., 19.10-301
- Temperature field calculations
  - Svetlova, T. P., 19.4-62
  - Boldyrev, V. G. et al., 19.4-259
- Temperature field forecasting
  - Reap, R. M., 19.12-120
- Temperature field singularities
  - Fedorova, A. A., 19.11-332
  - Pakhomov, L. A., 19.12-249
- Temperature field structure
  - Khanevskaia, I. V., 19.1-225
- Temperature fluctuations
  - Pries, T. H. et al., 19.1-227
- Temperature forecast verification
  - Yacowar, N., 19.12-121
- Temperature forecasting
  - Bachurina, A. A. et al., 19.2-110
  - Bachurina, A. A., 19.3-105
  - Bachurina, A. A. et al., 19.5-147
  - Glazova, O. P., 19.12-119
- Temperature frequencies
  - Ashbel, D., 19.7-321
- Temperature gradient at noctilucent cloud heights
  - Trubnikov, B. N. et al., 19.8-475
- Temperature gradient effects on turbulence
  - Ruzin, M. I., 19.4-278
- Temperature gradient measurement techniques
  - Struzer, L. R. et al., 19.9-176
- Temperature gradient meters
  - Struzer, L. R. et al., 19.9-176
- Temperature–height relationships
  - Harrison, A. A., 19.9-390
- Temperature humidity relationships
  - Tistea, D. et al., 19.11-426
- Temperature instruments
  - Koitzsch, R., 19.1-105
  - Corbyn, P. R., 19.3-87
  - Johnson, W. B., Jr., 19.5-126
  - Rall, D. L. et al., 19.6-98
  - Parker, B. F. et al., 19.10-133
  - Percy, J. W., 19.12-89
- Temperature inversion frequencies
  - Darie, Z. et al., 19.12-252
- Temperature inversions
  - Bluskova, D. et al., 19.2-223
  - Teneva, M. et al., 19.9-296
- Temperature measurement errors
  - Arai, T., 19.2-95
  - Struzer, L. R. et al., 19.9-176
  - Cox, S. K. et al., 19.12-258
- Temperature measurement techniques
  - Chigrai, D. T., 19.4-104
  - Rall, D. L. et al., 19.6-98
  - Yonezawa, T., 19.6-118
  - Volkovitskii, O. A. et al., 19.9-127
  - Bespalov, D. P. et al., 19.9-170
  - Parker, B. F. et al., 19.10-133
  - Buck, G. J., 19.12-87
  - Percy, J. W., 19.12-89
- Temperature nomograms
  - Koshinskii, S. D. et al., 19.12-251
- Temperature normals
  - Bruun, I., 19.11-356
- Temperature of Jupiter
  - Jastrow, R. et al., 19.8-660
  - Epstein, E. E., 19.10-685
- Temperature of planets
  - Kalaghan, P. M. et al., 19.1-466
- Temperature of the universe
  - Misner, C. W., 19.7-639
- Temperature of Uranus
  - Giver, L. P. et al., 19.3-571
  - Low, F. J., 19.3-573
- Temperature of Venus, *see* Venutian temperature
- Temperature over oceans
  - Petrov, L. S., 19.11-362
- Temperature over water surfaces
  - Novozhilova, M. P., 19.1-224
- Temperature–precipitation correlations
  - Hofmeyr, W. L., 19.9-394
- Temperature probabilities
  - Bilbro, J. D., Jr., 19.11-354
- Temperature profile calculations
  - Boldyrev, V. G. et al., 19.4-70
  - Karpova, V. M. et al., 19.5-67
- Temperature profile effects on gravity wave propagation
  - Gille, J. C., 19.11-307
- Temperature profile measurement techniques
  - Dunckel, M., 19.1-68
  - Kobayashi, J., 19.2-102
  - Gille, J., 19.6-312
  - Westwater, E. R. et al., 19.12-257
- Temperature profiles
  - Atkinson, B. W., 19.1-191
  - U. S. Air Force. Cambridge Research Labs., 19.1-231
  - Vorontsov, P. A., 19.1-232
  - Orlenko, L. R., 19.1-251
  - Tsvang, L. R. et al., 19.1-254
  - Mertsalova, O. B., 19.7-326
  - Addor, E. E., 19.9-541
  - Chuang, H. et al., 19.10-369
  - Zilitinkevich, S. S. et al., 19.11-390
- Temperature profiles–atmospheric pollution relationships
  - Onesta, P. A., 19.7-231
- Temperature profiles in the lower atmosphere
  - U. S. Atmos. Turb. and Dif. Lab., Oak Ridge, Tenn., 19.9-25
- Temperature profiles over seas
  - Paulson, C. A., 19.7-9
- Temperature–rainfall relationships
  - Murray, R., 19.11-446
- Temperature reduction
  - Liebert, C. H. et al., 19.9-648
- Temperature regime
  - Corbet, P. S., 19.2-222
  - Tsutskiridze, Ia. A., 19.8-9
  - Dombrovskaia, F. A., 19.8-347
  - Stoenescu, St. M. et al., 19.12-250
- Temperature–salinity cross sections
  - Roden, G. I., 19.6-672
- Temperature–salinity diagrams
  - Mamaev, O. I., 19.2-558
  - Stepanov, V. N., 19.2-559

Temperature singularities
  Kuziemski, J. et al., 19.11-496
Temperature sounding
  Glasko, V. B. et al., 19.12-245
Temperature sounding apparatus
  Hyson, P., 19.12-259
Temperature stratification
  Gazzola, A. et al., 19.12-253
Temperature stratification effects on diffusion
  Grasnick, K. H., 19.6-203
Temperature stratification effects on radioactive fallout
  Diaconescu, I. Ch. et al., 19.11-285
Temperature trends
  Haugen, R. K., 19.3-214
Temperature–vapor pressure relationships
  Jury, S. H. et al., 19.6-307
Temperature variability
  Petrov, L. S., 19.11-362
  Mamontov, N. V., 19.12-248
  Koshinskii, S. D. et al., 19.12-251
Temperature variations
  Sharma, K. K., 19.4-260
  Komarov, V. S., 19.7-317
  Lawrence, E. N., 19.7-318
  Novskaia, A. I., 19.8-348
  Reed, R. J., 19.8-459
  Filippov, V. V. et al., 19.9-389
  Harrison, A. A., 19.9-390
  Lamb, H. H., 19.9-536
  Faust, H., 19.10-460
  Landers, H., 19.12-247
Temperature variations during solar eclipse
  Schmeidler, F., 19.7-319
Temperature variations with height
  Manning, J. C. et al., 19.9-461
Temperature waves
  Kuo, H. L., 19.12-188
Tensile deformation of ice single crystals
  Mae, S., 19.12-769
Tensiometers
  Murakami, R., 19.9-871
Terminal forecast manuals
  Safford, A. T., III, 19.11-46
Terminology
  Davies, K., 19.4-413
Terracing
  Saeki, M. et al., 19.6-423
Terrain climatology
  Flemming, G., 19.11-509
Terrain effects on wind
  Smith, F. B., 19.5-249
  Nickerson, E. C., 19.7-269
Terrestrial heat flow
  Boldizsar, T., 19.8-334
  Verma, R. K. et al., 19.10-603
Terrestrial ionization intensity anomalies
  Liboff, A. R. et al., 19.9-567
Terrestrial physics
  Liboff, A. R. et al., 19.9-567
  Nato Advanced Study Inst. Newcastle upon Tyne, Mar. 30-Apr. 7, 1966, 19.12-18
Terrestrial planets
  Lyttleton, R. A., 19.9-671
Terrestrial radiation
  Kondrat'ev, K. I. et al., 19.2-11
  Rawer, K., 19.10-216
Terskol Obs., USSR
  Samukashvili, R. D., 19.10-292, 293
Tethered balloons
  Klein, G. L., 19.6-128
Tetroon flights
  Hass, W. A. et al., 19.4-98
  Angell, J. K. et al., 19.10-117; 19.12-80
Thames flood plain
  Ward, R. C., 19.10-399
Thawing effects on frost damage
  Yoshida, S. et al., 19.7-325
  Sakai, A. et al., 19.8-352
Theodolites
  Vaisala News, Helsinki, 19.6-149
Thermal advection
  Bell, B., 19.6-344
Thermal balance of satellites
  Toussaint, M., 19.10-651
Thermal balance of snow cover
  Kuvaeva, G. M. et al., 19.6-9
Thermal balance of water surfaces
  Shakhanova, T. V. et al., 19.4-678; 19.5-684
Thermal bar
  Rodgers, G. K., 19.6-743
Thermal belts
  Aultizky, H., 19.8-344
Thermal comfort
  Venkiteshwaran, S. P. et al., 19.4-258
  McNall, P. E., 19.11-359
Thermal conduction
  Stewart, R. W., 19.12-231
Thermal conductivity measurement techniques
  Joshi, R. K. et al., 19.7-139
Thermal conductivity of minerals
  Aronson, J. R. et al., 19.7-637
Thermal conductivity of snow
  Pitman, D. et al., 19.12-411
Thermal convection
  Foster, T. D., 19.9-794
Thermal convection–tropospheric temperature relationships
  Makhover, Z. M., 19.9-270
Thermal diffusion
  Nakada, M. P. et al., 19.12-547
Thermal diffusion in gases
  Nicolet, M., 19.12-155
Thermal diffusivity coefficients
  De Felice, P., 19.9-409
Thermal diffusivity of ice
  Weller, G., 19.4-715
Thermal diffusivity of soil measurement techniques
  Hadas, A., 19.8-365
Thermal emittance of mica
  Bradford, A. P. et al., 19.11-352
Thermal gradient variations
  Santomauro, L., 19.9-400
Thermal history of Earth
  Aronson, J. R. et al., 19.7-637
  Tozer, D. C., 19.8-568
Thermal ice drills
  Aamot, H. W. C., 19.4-717
Thermal infrared data in agriculture
  Colwell, R. N., 19.10-298
Thermal ionization
  Smith, R. L. et al., 19.3-373
Thermal low forecasting
  Li, G. W., 19.8-181
Thermal lows
  Li, G. W., 19.8-181
Thermal magnetization
  Parry, L. G. et al., 19.5-464
Thermal mathematical models
  Toussaint, M., 19.10-651
Thermal power stations
  Holl, R., 19.12-146
Thermal properties of Moon
  Wildey, R. L. et al., 19.3-550
Thermal properties of sea ice
  Lewis, E. L., 19.11-750
  Ono, N., 19.11-751
Thermal properties of soil
  Low, P. F. et al., 19.7-334
Thermal radiation
  Blamont, J. E. et al., 19.9-672
Thermal radiation in the atmosphere
  Bertram, F. W., 19.9-380
Thermal radiation measurements
  Chaney, L. W. et al., 19.2-16
  Parker, B. F. et al., 19.10-133
Thermal radiation studies
  Hoffmann, W. F. et al., 19.1-460
  Colwell, R. N., 19.10-298
  Siegel, R. et al., 19.11-340
Thermal regime
  Tachalov, S. N., 19.6-788
  Krasnianskaia, V. P., 19.8-349
Thermal regime of Arctic
  Beliakov, L. N. et al., 19.2-188

- **Thermal regime of flying instruments**
  - Favorskii, O. N. et al., 19.7-4
- **Thermal regime of glaciers**
  - Golovkova, R. G. et al., 19.6-718
- **Thermal regime of lakes**
  - Gastescu, P. et al., 19.1-586
- **Thermal regime of reservoirs**
  - Epifanov, V. F., 19.4-273
- **Thermal regime of sea**
  - Bulatov, L. V. et al., 19.2-185
  - Beliaev, V. I. et al., 19.4-633
  - Strokina, L. A., 19.10-726
- **Thermal regime of snow**
  - Ambach, W. et al., 19.3-322
- **Thermal regime of upper atmosphere**
  - Kondrat'ev, K. Ia. et al., 19.6-227
- **Thermal regime of winter wheat**
  - Sakali, L. I. et al., 19.9-354
- **Thermal sensations**
  - Gregorczuk, M., 19.11-508
- **Thermal stratification of sea water**
  - Filippov, D. M. et al., 19.1-540
- **Thermal structure of seas**
  - Saur, J. F. T. et al., 19.3-647
- **Thermal structure of the atmosphere**
  - Baynton, H. W., 19.4-72
- **Thermal structure of the ocean**
  - LaFond, E. C. et al., 19.1-558
  - Laevastu, T. et al., 19.11-198
- **Thermal troughs**
  - Nikleva, S., 19.7-286
- **Thermal turbulence**
  - Lumley, J. L., 19.6-246
- **Thermal waters**
  - Frolov, N. M., 19.12-12
- **Thermal wind–geostrophic wind correlations**
  - Zak, J. A. et al., 19.3-246
- **Thermal wind vortex**
  - Solopov, A. V., 19.9-462
- **Thermal winds**
  - Lettau, H. H. et al., 19.4-297
  - Solopov, A. V., 19.9-462
  - Kutzbach, J. E. et al., 19.11-323
- **Thermally stratified boundary layer**
  - Arya, S. P. S. et al., 19.10-321
- **Thermals**
  - Paltridge, G. W., 19.8-396
- **Thermals development**
  - Moore, D. W., 19.8-679
- **Thermistor thermometers**
  - Bowles, D., 19.6-94
  - Weaver, D. K., Jr., 19.6-100
- **Thermobaric chambers**
  - Borovskii, N. V. et al., 19.8-164
  - Volkovitskii, O. A. et al., 19.9-127
- **Thermobaric standing waves**
  - Olevinskaia, S. K., 19.4-210
- **Thermocline**
  - Cairns, J. L., 19.9-776
  - Laevastu, T. et al., 19.11-198
  - Woods, J., 19.12-716
- **Thermocline models**
  - Turner, J. S. et al., 19.5-671
- **Thermocouple applications**
  - Fuchs, M. et al., 19.8-79
- **Thermocouples**
  - Kirk, W. H., 19.8-122
- **Thermodynamic equations**
  - Sigillito, V. G., 19.7-42
- **Thermodynamic theories**
  - Schloegl, F., 19.8-285
- **Thermodynamics of the atmosphere**
  - Panofsky, H. A., 19.7-26
  - Wildt, R. et al., 19.9-358
  - Kuznetsov, N. M., 19.10-4
- **Thermoelectric actinometers**
  - Bell, L. N., 19.6-144
- **Thermoelectric balance meters**
  - Girdiuk, G. V., 19.1-101
- **Thermoelectric generators**
  - Guennoç, H. et al., 19.4-120
- **Thermoelectric photocalorimeters**
  - Bell, L. N., 19.6-144
- **Thermoelectric properties of ice crystals**
  - Bryant, G. W., 19.4-723
- **Thermoelectric recording apparatus**
  - Koitzsch, R., 19.1-105
- **Thermoelectricity of ice measurement techniques**
  - Brownscombe, J. L. et al., 19.5-715
- **Thermograph errors**
  - Asahi, M. et al., 19.7-144
- **Thermohaline convection**
  - Hoare, R. A., 19.7-794
- **Thermohydrodynamic equations**
  - Miyakoda, K. et al., 19.12-111
- **Thermometer accuracy**
  - Arai, T., 19.7-143
- **Thermometer calibration**
  - Alianchikova, G. N., 19.8-120
- **Thermometer corrections**
  - Boyce, F. M., 19.2-538
- **Thermometer errors**
  - Arai, T., 19.2-95
  - Alianchikova, G. N., 19.8-120
  - Bespalov, D. P. et al., 19.9-170
- **Thermometer lag**
  - Arai, T., 19.7-143
- **Thermometer shelters**
  - Chigrai, D. T., 19.4-104
- **Thermometric corrections**
  - Boehl, D., 19.11-708
- **Thermometry**
  - Arai, T., 19.2-95
  - Percy, J. W., 19.12-89
- **Thermophoresis**
  - Davies, C. N., 19.5-17
- **Thermopile absorption properties**
  - Palland, C. L. et al., 19.9-169
- **Thermoregulation in animals**
  - Berman, A., 19.8-345
- **Thermospheric densities**
  - Newell, R. E., 19.5-163
  - Marov, M. Ia., 19.10-204
- **Thermospheric diurnal oscillations**
  - Dickinson, R. E. et al., 19.12-474
- **Thermospheric heating**
  - Thomas, G. E., 19.7-243
  - Thomas, G. E. et al., 19.8-260
- **Thermospheric models**
  - Geisler, J. E., 19.4-302
  - Lagos, C. P., 19.9-280
- **Thermospheric temperature variations**
  - Thomas, G. E., 19.7-243
  - Marov, M. Ia., 19.10-204
- **Thermospheric wind calculations**
  - Geisler, J. E., 19.4-302
- **"Theta" cruises**
  - Canada. Oceanographic Data Centre, Ottawa, 19.3-616
- **Thickness effects on solar absorptance**
  - Bradford, A. P. et al., 19.11-352
- **Thickness of auroral structures**
  - Maggs, J. E. et al., 19.7-557
- **Thirst–heat relationships in man**
  - Greenleaf, J. E. et al., 19.8-67
- **Thirty year geomagnetic cycle**
  - Kulieva, R. N., 19.5-493
- **Thornthwaite's climatic classification**
  - Perez Espinosa, M., 19.9-542
- **Thoron content of atmosphere**
  - Malakhov, S. G. et al., 19.1-164
  - Sen'ko, E. E., 19.4-140
  - Dalu, G., 19.9-118
- **Thoron measurement techniques**
  - Sen'ko, E. E., 19.4-140
- **Three level forecasting model**
  - Chu, Yun T'i, 19.1-116
- **Thunder and lightning**
  - Bhartendu, –, 19.7-493
- **Thunder frequency spectra**
  - Few, A. A. et al., 19.5-393
- **Thundercloud charge distribution**
  - Phillips, B. B., 19.5-381, 383

Thundercloud electrification
  Phillips, B. B., 19.5-381, 382, 383
Thunderstorm activity
  Papai, G., 19.1-273
  Subramanian, D. V. et al., 19.4-80
  Kleimenova, E. P., 19.4-237
  Worthley, L. E. et al., 19.4-382
  Goetz, G. et al., 19.6-277
Thunderstorm analysis
  Atkinson, B. W., 19.1-191
  Newton, C. W., 19.1-192
  Tyldesley, J. B., 19.1-193
  Voigt, S., 19.1-194
  Duartre, F. et al., 19.8-312
  Goldman, J. L., 19.12-216
Thunderstorm and Heavy Rain Warning Service, Hong Kong
  Hong Kong. Royal Observatory, 19.8-313
Thunderstorm avoidance
  The MAC Flyer, Wash., D. C., 19.12-214
Thunderstorm classification
  Padmanabhamurty, B. et al., 19.7-293
Thunderstorm–cosmic ray relationships
  Anderson, H. R. et al., 19.11-551
Thunderstorm damage
  Voigt, S., 19.1-194
Thunderstorm data
  Hong Kong. Royal Observatory, 19.8-313
Thunderstorm development
  Peskov, B. E., 19.6-278
  Feteris, P. J., 19.10-275
Thunderstorm distribution
  Belentsova, V. A., 19.7-295
Thunderstorm duration
  Stoenescu, St. M. et al., 19.12-213
Thunderstorm dynamics
  Peskov, B. E., 19.6-278
Thunderstorm effects on atmospheric stability
  Fedorova, A. A., 19.11-332
Thunderstorm effects on radio propagation
  Jean, A. G., 19.9-588
Thunderstorm electricity
  Malan, D. J., 19.1-341
  Sartor, J. D. et al., 19.3-368
  Frier, G. D., 19.5-380
  Fitzgerald, D. R., 19.5-384
Thunderstorm electricity generation
  Sartor, J. D., 19.1-342
  Workman, E. J., 19.1-343
  Phillips, B. B., 19.5-382
  Pruppacher, H. R. et al., 19.6-376
  Reiter, R., 19.7-483
Thunderstorm electricity theories
  Workman, E. J., 19.1-343
  Reiter, R., 19.7-483
Thunderstorm forecasting
  Lowndes, C. A. S., 19.2-111
  Endlich, R. M. et al., 19.10-267
  Stoenescu, St. M. et al., 19.12-213
Thunderstorm formation
  Peskov, B. E., 19.4-238
  Worthley, L. E. et al., 19.4-382
  Endlich, R. M. et al., 19.10-267
  Bates, F. C., 19.10-268
Thunderstorm frequencies
  Changnon, S. A., Jr., 19.5-307
  Stoenescu, St. M. et al., 19.12-213
Thunderstorm hazard to aircraft
  The MAC Flyer, Wash., D. C., 19.12-214
Thunderstorm models
  Goldman, J. L., 19.7-294; 19.12-216
Thunderstorm observation techniques
  Strauch, E., 19.5-206
Thunderstorm rainfall
  Goldman, J. L., 19.7-294
Thunderstorm rainfall intensities
  Duartre, F. et al., 19.8-312
  Schwarz, F. K., 19.8-314
  Osborn, H. B., 19.10-274
Thunderstorm research
  Fujita, T. et al., 19.9-349
Thunderstorm soundings
  Bushnell, R. H. et al., 19.12-212
Thunderstorm structure
  Bates, F. C., 19.10-268
  Harrington, E. L., 19.10-272
  Barnes, S. L., 19.12-215
Thunderstorm theories
  Bates, F. C., 19.10-268
Thunderstorm tracks
  Donaldson, R. J., Jr., 19.10-277
Thunderstorm winds
  Bouet, M., 19.5-205
Thunderstorms
  The MAC Flyer, Wash., D. C., 19.12-214
Tidal analysis
  Brettschneider, G., 19.4-696
  Von Trepka, L., 19.4-697
  Hyacinthe, J. L., 19.6-690
Tidal analysis techniques
  Miyazaki, M., 19.11-742
  Al'tshuler, V. M., 19.12-746
Tidal calculations
  Zhantuarov, R. S., 19.3-660
  Skriptunov, N. A., 19.4-300
  Brettschneider, G., 19.4-696
  Von Trepka, L., 19.4-697
  Newton, R. R., 19.7-138
Tidal constants
  Miyazaki, M., 19.11-742, 743
Tidal current analysis
  Hyacinthe, J. -L., 19.6-691
Tidal current calculations
  Sgibneva, L. A., 19.6-693
  Sauskan, E. M., 19.11-733
  Chalysheva, N. I., 19.12-749
Tidal current effects on diffusion
  Higuchi, H. et al., 19.3-624
Tidal current forecasting
  Ciriani, T. A. et al., 19.9-228
  Giorgi, M. et al., 19.12-747
Tidal current observations
  Hicks, S. D., 19.6-692
Tidal currents
  Aleem, A. A., 19.2-243
Tidal effects
  Wunsch, C., 19.7-756
  Brier, G. W., 19.12-192
Tidal effects on atmosphere
  Maksimov, I. V., 19.4-221; 19.6-680
Tidal effects on ice
  Kagan, B. A., 19.4-708
Tidal effects on Moon
  Chapman, W. B., 19.6-599
Tidal effects on sea level variations
  Karklin, V. P., 19.7-733
Tidal energy utilization
  Idyll, C. P., 19.11-741
Tidal equations
  Corby, G. A., 19.1-462
  Longyear, J. Q., 19.1-463
  Zhantuarov, R. S., 19.3-660
  Jacobs, S. J., 19.7-755
  Longuet-Higgins, M. S., 19.8-744
Tidal fluctuations
  Cartwright, D. E., 19.12-683
Tidal harmonic constants
  Giorgi, M. et al., 19.12-747
Tidal inlets
  Lockwood, M. G. et al., 19.2-573
  Van de Kreeke, J., 19.2-574
Tidal mechanisms
  Barber, F. G., 19.9-800
Tidal period oscillations
  Maksimov, I. V., 19.1-461
Tidal studies
  Zetler, B. D., 19.4-694
  Voit, S. S., 19.9-793
Tidal variations
  Josephson, J., 19.10-719
Tidal waves under ice
  Kagan, B. A., 19.3-663

- **Tidal winds**
  - Haurwitz, B. et al., 19.12-283
  - Abhirama Reddy, C. et al., 19.12-463
- **Tide forecasting**
  - Giorgi, M. et al., 19.12-747
- **Tide gage recorder**
  - Miyata, M. et al., 19.12-684
- **Tide gages**
  - Guliaev, A. A. et al., 19.3-628
- **Tide level forecasting**
  - U. S. Coast and Geodetic Survey, 19.7-757
- **Tide model studies**
  - Brettschneider, G., 19.4-696
  - Von Trepka, L., 19.4-697
- **Tide tables**
  - U. S. Coast and Geodetic Survey, 19.7-757
- **Tides**
  - Clemons, E., 19.2-24
  - Idyll, C. P., 19.11-741
- **Tides in estuaries**
  - Serebriakov, A. V., 19.10-767
- **Tillite**
  - Bigarella, J. J. et al., 19.7-768
- **Time-height cross sections**
  - Lenschow, D. H. et al., 19.3-68
- **Time lapse photography**
  - Diubiuk, A. F. et al., 19.9-494
  - Rutter, N., 19.11-494
- **Time series analysis**
  - Adenstedt, R. et al., 19.7-99
- **Time series in forecasting**
  - Brier, G. W., 19.11-107
- **Time series in hydrometeorology**
  - Rodriguez Iturbe, I., 19.3-682
  - Brier, G. W., 19.11-107
- **Time series in meteorology**
  - Adenstedt, R. et al., 19.7-99
  - Brier, G. W., 19.11-107
  - Krylov, E. V. et al., 19.11-109
- **Time signals**
  - Neale, M. J., 19.5-580
- **Tiros cloud photographs**
  - Vederman, J. et al., 19.3-280
  - Bakhtin, M. G. et al., 19.5-106
  - Buschner, W., 19.6-280
  - Golden, J. H., 19.6-384
  - James, D. G., 19.10-407
- **Tiros photographs**
  - U. S. National Environmental Satellite Center, 19.1-23
- **Tomato transplanting**
  - Krasnianskaia, V. P. et al., 19.8-50
- **Topoclimatology**
  - Flemming, G., 19.11-509
- **Topographic effects on air flow**
  - Kasahara, A., 19.3-259
- **Topographic effects on climate**
  - Carr, J. T., Jr., 19.1-317
- **Topographic effects on cold air advection**
  - Preston-Whyte, R. A., 19.12-217
- **Topographic effects on currents**
  - Molinari, R. L., 19.7-747
- **Topographic effects on winds**
  - Mather, K. B. et al., 19.11-393
- **Topside ionospheric soundings**
  - Eccles, D., 19.2-351
  - King, J. W. et al., 19.2-366, 367, 368
  - Smith, P. A. et al., 19.4-450
  - Nishida, A., 19.8-522
  - Barrington, R. E. et al., 19.9-574
- **Topside of ionosphere**
  - Dyson, P. L., 19.4-416
  - Nishida, A., 19.4-436
  - King, J. W. et al., 19.7-517, 519
  - Bauer, S. J. et al., 19.10-514
- **Topside resonances**
  - McAfee, J. R., 19.10-543
- **Topside sounder satellites**
  - Calvert, W., 19.10-519
- **Tornado, Black Hills, South Dakota (July 1966)**
  - Koscielski, A., 19.6-276
- **Tornado, Madera, California (Apr. 1967)**
  - Baldwin, M. B., 19.6-274
- **Tornado, Miami (1959)**
  - Hiser, H. W., 19.10-263
- **Tornado, Topeka, Kansas (1966)**
  - Stallings, R., 19.8-188
  - Hughes, L. A., 19.9-347
- **Tornado climatology**
  - Gerrish, H. P., 19.3-292
- **Tornado damage**
  - Dye, L. W., 19.9-149
- **Tornado damage patterns**
  - Hughes, L. A., 19.9-347
  - Fujita, T. et al., 19.10-262
  - Prosser, N. E., 19.10-264
- **Tornado damage prevention**
  - U. S. Weather Bur., 19.11-331
- **Tornado damage studies**
  - Lacy, R. E., 19.8-310
  - Hughes, L. A., 19.9-347
- **Tornado dynamics**
  - Darkow, G. L., 19.7-292
- **Tornado effects on nuclear power plants**
  - Swanson, A. E. et al., 19.10-265
- **Tornado electricity**
  - Wilkins, E. M. et al., 19.8-489
- **Tornado forecast verification**
  - Galway, J. G., 19.11-205
- **Tornado forecasting**
  - Darkow, G. L., 19.7-292
  - Endlich, R. M. et al., 19.10-267
- **Tornado forecasting parameters**
  - Miller, R. C., 19.11-189
- **Tornado formation**
  - Endlich, R. M. et al., 19.10-267
- **Tornado formation theories**
  - Pearson, A. D., 19.8-311
- **Tornado occurrence**
  - Gerrish, H. P., 19.9-346
- **Tornado structure**
  - Hiser, H. W., 19.10-263
  - Swanson, A. E. et al., 19.10-265
- **Tornado summaries**
  - Dye, L. W., 19.9-149
- **Tornado theories**
  - Carstoiu, J., 19.12-544
- **Tornado vortex structure**
  - Prosser, N. E., 19.10-264
- **Tornado warning services**
  - U. S. Env. Sci. Serv. Admin., 19.7-291
  - Stallings, R., 19.8-188
  - Pearson, A. D., 19.12-137
- **Tornado wind velocities**
  - Fujita, T. et al., 19.10-262
- **Tornadoes**
  - U. S. Env. Sci. Serv. Admin., 19.7-291
  - Miller, R. C., 19.11-189
- **Tornadoes, Japan**
  - Shimada, M., 19.9-348
- **Total outgoing radiation**
  - Van der Ham, C. J., 19.9-357
- **Tower effects on wind field**
  - Fichtl, G. H., 19.10-131
- **Tower instrumentation**
  - New Scientist, London, 19.5-122
  - Kaufman, J. W. et al., 19.10-132
- **Tower observation of wind field**
  - Gill, G. C. et al., 19.1-97
- **Tower observations**
  - Fedorov, S. F., 19.8-107
- **Tower wind measurements**
  - Dabberdt, W. F., 19.9-181
  - Davies, F. K., Jr. et al., 19.9-424
- **"Townsend Cromwell" cruises**
  - Charnell, R. L. et al., 19.5-620
- **Trace elements in precipitation**
  - Morgan, G., Jr., 19.2-303
- **Trace elements in sea water**
  - Keeling, C. D. et al., 19.6-658
- **Trace gases in the atmosphere**
  - Israel, H., 19.1-163
- **Tracer techniques in hydrology**
  - Nielsen, D. R. et al., 19.8-797
- **Trade current variations**
  - Bogdanov, M. A., 19.3-44
- **Trade front**
  - Gaigerov, S. S., 19.5-208
- **Trade inversions**
  - Gerrish, H. P., 19.12-254

Trade wind effects on radioactive fallout
  Iakovleva, G. V., 19.2-152
Traffic accidents
  California. Div. of Highways, 19.8-422
Trailblazer I
  Bess, T. D., 19.1-456
Training in climatology
  Fukui, E., 19.1-41
Training in meteorology
  Bryson, R. A., 19.3-21
  Baum, W. A., 19.4-18
  Peters, E., 19.4-19
  Witt, J. F., 19.5-28
  Bruch, H., 19.6-60
  Taba, H., 19.7-35
  Long, W. H., 19.10-34
Tramontana
  Georgii, W., 19.3-235
Transequatorial ionospheric radio wave propagation
  Bowen, E. D. et al., 19.7-496
Translations
  McColl, R. W., 19.10-45
Transmission coefficients
  Ivanov, A. P. et al., 19.11-513
Transmission line galloping protection
  Richardson, A. S., Jr., 19.11-403
Transmissometers
  Smith, D. P., 19.9-82
  Roessler, J., 19.9-203
Transparency effects on radiation
  Zuev, V. E. et al., 19.7-312
Transparency of fog measurements
  Volkovitskii, O. A. et al., 19.8-467
Transpiration
  Patric, J. H., 19.4-319
Transpiration of plants
  Rackham, O., 19.2-197
  Kramer, P. J. et al., 19.7-852
Transpiration of trees
  Haseba, T. et al., 19.3-269
Transponders
  U. S. Naval Oceanog. Office, 19.6-138
Transport problems in atmosphere
  Abramovich, K. G., 19.6-334
Transport theories
  Tomkoria, B. N. et al., 19.4-206
Transport wind speeds
  Miller, M. E., 19.12-174
Transportation facilities
  Hosoya, M. et al., 19.12-402
Trapped alpha particles
  Krimigis, S. M. et al., 19.5-510
Trapped electron diffusion
  Newkirk, L. L. et al., 19.7-480
Trapped electron distribution
  Maeda, K., 19.3-508
  Galperin, Iu. I. et al., 19.8-591
Trapped electron energy spectrum
  Takakura, T. et al., 19.3-532
  Galperin, Iu. I. et al., 19.8-591
  Marbach, J. R. et al., 19.10-625
Trapped electron flux
  Vampola, A. L., 19.9-638
  Marbach, J. R. et al., 19.10-625
Trapped electron lifetimes
  Vampola, A. L., 19.9-630
Trapped particle acceleration
  Brown, W. L. et al., 19.4-526
Trapped particle distribution
  Freeman, J. W., Jr. et al., 19.2-470
Trapped particle energy
  Birmingham, T. J. et al., 19.4-528
Trapped particle flux
  Freeman, J. W., Jr. et al., 19.2-470
Trapped particle motion
  Gendrin, R., 19.4-549
Trapped particles
  O'Brien, B. J., 19.8-589
  NATO Advanced Study Institute, Freising, Germany, July 31-Aug. 11, 1967, 19.12-555
Trapped proton flux
  Armstrong, T. P. et al., 19.4-527
Trapped protons
  King, J. H., 19.1-443
  Krimigis, S. M. et al., 19.5-510
Trapped radiation zones
  King, J. H., 19.1-443
Traveling disturbances
  Dyson, P. L., 19.2-350
  Kanellakos, D. P., 19.3-385
  Detert, D. G., 19.5-401
  Hines, C. O., 19.11-309
  Wickersham, A. F., Jr., 19.11-546
Tree growth
  Broadfoot, W. M., 19.5-53
  Holtmeier, F. K., 19.6-74
  Wilcox, J. R., 19.7-75
Tree line
  Pears, N. V., 19.5-55
Tree ring growth
  Zahner, R. et al., 19.1-302
Tree ring indexes
  Haugen, R. K., 19.3-214
Tree ring studies
  Fritts, H. C., 19.7-450
Triptosphere
  Johnson, W. B., Jr., 19.6-225
Tritium dating
  Muennich, K. O. et al., 19.9-845
Tritium fallout
  Leventhal, J. S. et al., 19.8-276
Tritium in atmosphere
  Teegarden, B. J., 19.1-165
  Bainbridge, A. E., 19.9-255
Tritium in ground water
  Davis, G. H. et al., 19.9-849
  Theodorsson, P., 19.9-850
Tritium in precipitation
  Stewart, G. L. et al., 19.7-425
  Dockins, K. O. et al., 19.10-733
Tritium in rain water
  Leveque, P. et al., 19.10-428
Tritium in rainfall
  Bainbridge, A. E., 19.9-255
Tritium in sea water
  Dockins, K. O. et al., 19.10-733
  Muennich, K. O. et al., 19.10-734
Tritium in soil moisture
  Kline, J. R. et al., 19.10-797
Tritium in surface water
  Leveque, P. et al., 19.10-428
Tritium measurement techniques
  Cameron, J. F., 19.11-719
Tropical aerological profiles
  Heise, G., 19.6-115
Tropical analysis
  Bedient, H. A. et al., 19.5-143
Tropical atmospheric pressure fields
  Rudloff, W., 19.7-335
Tropical circulation models
  Asnani, G. C., 19.5-193
Tropical climates
  Portig, W. H., 19.10-62
Tropical cloud studies
  Tik, C. et al., 19.3-283
  Holle, R. L., 19.7-390
Tropical convective clouds
  Fraedrich, K., 19.8-281
Tropical cyclone circulation
  Estoque, M. A., 19.4-230
Tropical cyclone cloud pattern
  Estoque, M. A., 19.4-230
Tropical cyclone distribution
  Kaganskii, A. S. et al. 19.9-337
Tropical cyclone dynamics
  Miller, B. I., 19.9-341
Tropical cyclone forecasting
  Renard, R. J., 19.12-138
Tropical cyclone formation
  Asnani, G. C., 19.5-193
  Merritt, E. S., 19.7-237
Tropical cyclone frequencies
  Kaganskii, A. S. et al 19.9-337

Tropical cyclone rainfall
Cry, G. W., 19.2-177
Tropical cyclone records
Stekhnovskii, D. I. et al., 19.11-329
Tropical cyclone structure
Merritt, E. S., 19.7-237
Tropical cyclone track forecasting
Jauregui, O. E., 19.9-789
Tropical cyclone tracks
Gherzi, E., 19.10-496
Tropical cyclone winds
Estoque, M. A., 19.4-230
Tropical cyclones
Gustafson, A. F., 19.9-153
Kaganskii, A. S. et al., 19.9-337
Australia, Bur. of Met., 19.11-327
Tropical cyclones, Gulf of Mexico
Jauregui, O. E., 19.9-789
Tropical cyclones, North Atlantic Ocean (1967)
DeAngelis, R. M., 19.6-269
Tropical cyclones, Philippines (1965)
Philippines, Wea. Bur., 19.10-257
Tropical cyclones, Southern Hemisphere
Semenov, E. K., 19.2-174
Tropical disturbance formation
Gray, W. M., 19.8-296
Tropical disturbances, Atlantic (1967)
Simpson, R. H. et al., 19.8-302
Tropical environment
Stroschein, L. A., 19.9-109
Tropical experiment project
Dobryshman, E. M., 19.10-79
Tropical fog studies
Frisby, E. M., 19.9-493
Tropical forests
Stroschein, L. A., 19.9-109
Rakhmanov, V. V., 19.9-478
Read, R. G., 19.9-479
Tropical fronts
Gaigerov, S. S., 19.5-208
Tropical meteorology
Jordan, C. L., 19.4-53
Geneve, R., 19.4-284
Gordon, A. H., 19.6-238
Bianco, J. M., 19.9-332
Michelangeli, A., 19.9-340
Dobryshman, E. M., 19.10-79
Tropical meteorology conferences
Army Conf. on Trop. Met., 6th, Univ. of Miami, Fla., 1967, 19.9-23
Tropical meteorology research
O'Neill, T. H. R. et al., 19.8-40
Steiner, H. A., 19.8-41
Simpson, R. H., 19.9-51
Alpert, L., 19.9-64
Battan, L. J., 19.9-65
Lanterman, W. S., Jr. et al., 19.9-122
Tropical oceanography
Internatl. Conf. on Trop. Oceanog., Fla., Nov. 1965, 19.8-23
Tropical precipitation formation
Arnason, G. et al., 19.8-428
Tropical rain forests
Kline, J. R. et al., 19.10-797
Tropical rainfall
Sivaramakrishnan, M. V. et al., 19.4-349
Tropical rainfall regime
Henry, W. K. et al., 19.2-17
Tropical storm "Lily" (1966)
Neave, C. F., 19.9-345
Tropical storm surges
Jelesnianski, C. P., 19.4-232
Tropical storm tracks
Neave, C. F., 19.9-345
Tropical storms
Neave, C. F., 19.9-345
France. Met. Nat., 19.10-100
Tropical stratospheric winds
Holton, J. R., 19.9-460
Tropical weather analysis
Viezee, W. et al., 19.9-215
Tropopause formation
Hirling, G., 19.9-268
Tropopause height–cirrus cloud height relationships
Harrington, E. L., 19.1-295
Tropopause height frequency distribution
Makhover, Z. M., 19.11-274
Tropopause height–pressure–temperature correlations
Makhover, Z. M. et al., 19.6-226
Tropopause height variations
Makhover, Z. M., 19.9-270
Pratner, G. D., 19.12-151
Tropopause height variations–radioactivity relationships
Chassany, J., 19.10-229
Tropopause identification
Atlas, D. et al., 19.7-249
Tropopause–jet stream relationships
Bezuglaia, E. Iu., 19.5-175
Tropopause–radiation relationships
Kostianoi, G. N. et al., 19.5-223
Tropopause temperature variations
Stel'makh, F. N., 19.7-328
Tropopause temperatures
Makhover, Z. M., 19.11-274
Troposphere
Internatl. Sci. Radio Union, 15th, Munich, 1966, 19.9-30
Sokhov, T. Z. et al., 19.11-318
Troposphere–stratosphere relationships
Rakipova, L. R., 19.2-147
Labitzke, K., 19.3-219
Hirling, G., 19.9-268
Trubnikov, B. N. et al., 19.10-200
Riazanova, L. A. et al., 19.10-206
Tropospheric absorption on solar radiation
Matsuura, O. T. et al., 19.8-243
Tropospheric circulation
Sazonov, B. I., 19.1-181, 182
Wright, P. B., 19.9-269
Tropospheric disturbances
Sazonov, B. I., 19.1-181, 182
Tropospheric ducts
Gjessing, D. T., 19.8-272
Tropospheric profiles
Gerrish, H. P., 19.12-254
Tropospheric radio wave absorption
Gjessing, D. T., 19.8-240
Tropospheric radio wave attenuation
Howell, T. F. et al., 19.4-182
Tropospheric radio wave attenuation measurements
Hoffman, L. A., 19.10-199
Tropospheric radio wave propagation
Sachs, D. L. et al., 19.7-84
Gerks, I. H., 19.7-236
Internatl. Radio Consultative Comm., 19.8-241, 242
Rice, P. L. et al., 19.9-114
Tropospheric radio wave propagation beyond the horizon
Birkemeier, W. P. et al., 19.8-383
Tropospheric radio wave propagation research
Ricardi, L. J., 19.10-218
Tropospheric radio wave refraction
Kazantsev, A. N. et al., 19.5-174
Gjessing, D. T., 19.8-272
Tropospheric radio wave refraction calculation techniques
Longley, A. G. et al., 19.12-53
Tropospheric refractive index
Robinson, G. D., 19.10-219
Tropospheric scatter propagation
Birkemeier, W. P. et al., 19.8-383

Tropospheric scattering
Sargeant, D. H., 19.4-183
Tropospheric structure
Johnson, W. B., Jr., 19.6-225
Hay, D. R., 19.9-141
Tropospheric temperature variations
Williams, S. D., 19.6-314
Tropospheric temperatures
Nitzschke, P., 19.11-368
Tropospheric waves
Ludlam, F. H., 19.4-331
Tropospheric wind field
Darkow, G. L. et al., 19.2-241
Tropospheric winds
Wright, P. B., 19.9-269
Troughs and ridges movement—California rainfall relationships
Krishnamurti, T. N., 19.10-252
Tsunami research
Meyer, R. E., 19.5-693
Voit, S. S., 19.5-698
Tsunami warning
Phillips, J., 19.8-743
Tsunamis
Zetler, B. D., 19.4-694
Cherkesov, L. V., 19.4-695; 19.5-697
Phillips, J., 19.8-743
Tuna
California. Univ., San Diego. Institute of Marine Resources, 19.2-514
Tuna fishing
Calif. Univ., San Diego. Inst. of Marine Resources, 19.9-722
Tunguska Meteorite, 1908
Lerman, J. C. et al., 19.5-583
Kirova, O. A. et al., 19.11-660
Nekrasov, V. I. et al., 19.11-662
Povrovskii, G. I., 19.11-663
Tsvetkov, V. I., 19.11-665
Zotkin, I. T., 19.12-610
Tunnel microclimatology
Addor, E. E., 19.9-541
Turbidity
Timofeeva, V. A. et al., 19.7-737
Turbidity calculations from actinometric data
Valko, P., 19.6-459
Turbidity coefficients
Fischer, W. H., 19.2-324
Valko, P., 19.6-459
Turbidity factor
Valko, P., 19.6-459
Turbidity in lower stratosphere
Rozenberg, G. V. et al., 19.9-553
Turbidity measurement techniques
Branski, J., 19.8-756
Turbidity measurements
Fischer, W. H., 19.2-324
Turbidity variations
Volz, F. E., 19.12-238
Turbulence
Internatl. Symp. on Bound. Layers and Turb. incl. Geophys. Applic., Japan, 1965, 19.9-27
Elder, J. W., 19.10-233
Roshko, A., 19.10-342
Willmarth, W. W. et al., 19.10-352
Turbulence correlations
Smirnov, V. I. et al., 19.9-321
Favre, S. et al., 19.10-326
Sternberg, J., 19.10-345
Turbulence effects
Fletcher, R. D., 19.10-361
Smirnov, V. I., 19.11-519
Handa, K. N. et al., 19.12-291
Taylor, P. W. et al., 19.12-302
Turbulence effects in astronomy
Kolchinskii, I. G., 19.1-243
Turbulence effects on aircraft bumpiness
Pchelko, I. G. et al., 19.6-58
Turbulence effects on airplanes
Etkin, B. et al., 19.1-48
Dutton, J. A., 19.4-29
Firebaugh, J. M., 19.4-30
Gault, J. D., 19.5-243
Fuller, J. R., 19.6-56
Swaim, R. L. et al., 19.6-59
Pinus, N. Z., 19.10-355
Turbulence effects on astronomical observations
Mein, P., 19.11-674
Turbulence effects on laser beams
Portman, D. J. et al., 19.7-339
Turbulence effects on light propagation
Fried, D. L., 19.3-360
Turbulence effects on optical instruments
Weiner, M. M., 19.5-242
Turbulence effects on radio propagation
Bolgiano, R., Jr., 19.9-290
Turbulence effects on radioactive fallout
Reiter, R., 19.9-300
Turbulence effects on sound waves
Stein, R. F., 19.6-473
Turbulence experiments
Giorgini, A., 19.10-328
Turbulence in clouds
MacCready, P., 19.2-238
Turbulence in forests
Hsi, G. et al., 19.10-352
Turbulence in mesosphere
Beaudoin, P. E. et al., 19.3-53
Turbulence in ocean currents
Ichiye, T., 19.10-741
Benney, D. J., 19.11-724
Turbulence in river flow
Yokosi, S., 19.6-764
Turbulence in the ionosphere
Nihoul, J. C. J., 19.6-496
Balsley, B. B., 19.7-351
Lehmann, H. R., 19.7-520
Turbulence in the troposphere
Hay, D. R., 19.2-313
Vinnichenko, N. K. et al., 19.9-431
Turbulence in the upper atmosphere
Ackerman, B., 19.1-248
Peckham, C. G., 19.1-249
Blamont, J. E. et al., 19.2-341
Il'in, G. P. et al., 19.3-224
Moseley, W. B. et al., 19.3-225
Zimmerman, S. P., 19.6-228
Pinus, N. Z. et al., 19.6-325
Turbulence in the upper layer of the sea
Navrotskii, V. V., 19.7-753
Turbulence in tidal flow
Bowden, K. F., 19.12-715
Turbulence in woodland
McBean, G. A., 19.9-432
Turbulence intensities
Cramer, H. E. et al., 19.1-246
Byzova, N. L. et al., 19.9-429
Turbulence intensity correlations
Philip, J. R., 19.10-339
Turbulence measurement techniques
Plunkett, A. B., 19.8-376
Gurvich, A. S., 19.12-272
Turbulence measurements
Lappe, U. O. et al., 19.11-386
Turbulence measurements in flight
Vinnichenko, N. K. et al., 19.9-431
Turbulence models
Giorgini, A., 19.10-328
Turbulence near the ground
Barry, P. J. et al., 19.10-353
Lappe, U. O. et al., 19.11-386
Turbulence observations
Gorelik, A. G., 19.11-384
Turbulence over mountainous areas
Vorontsov, P. A., 19.2-233
Turbulence over snow field
Vinje, T., 19.12-277
Turbulence over the sea
Kitaigorodskii, S. A., 19.11-378
Turbulence parameters
Iaglom, A. M., 19.4-216
Zimmerman, S. P., 19.4-217
Misme, P., 19.11-314

Turbulence profiles
Pasquill, F., 19.2-235
Turbulence research
Johnson, O. et al., 19.1-139
Lilly, D. K. et al., 19.4-278
Pond, S., 19.8-738
Lumley, J. L., 19.9-318
Turbulence scale
Buttenberg, M. et al., 19.5-191
Turbulence spectra
Weiler, H. S. et al., 19.1-247
Ackerman, B., 19.1-248
Alekseev, V. G. et al., 19.2-161
Pinus, N. Z. et al., 19.6-325
Cocho Gil, F., 19.7-271
Silverman, B. A., 19.7-273
Lumley, J. L., 19.9-318
Phillips, O. M., 19.9-320
Vinnichenko, N. K. et al., 19.9-431
Shur, G. N., 19.9-436
Bolgiano, R., Jr., 19.11-312
Whitbread, R. E., 19.11-388
Turbulence spectra near the ground
Kuebler, G., 19.6-245
Turbulence structure
Cramer, H. E. et al., 19.1-246
Gurvich, A. S. et al., 19.9-317
Csanady, G. T., 19.9-438
Lettau, H. H., 19.10-247
Kovasznay, L. S. G., 19.10-334
Turbulence studies
Lumley, J. L., 19.6-246, 247
Cermak, J. E. et al., 19.6-320
Turbulence symposia
Iaglom, A. M., 19.5-189
Turbulence–temperature stratification relationships
Monin, A. S., 19.9-319
Turbulence theories
Alekseev, V. G. et al., 19.2-161
Hasen, E. M., 19.4-214
Kuebler, G., 19.6-245
Lumley, J. L., 19.9-318
Phillips, O. M., 19.9-320
Betchov, R., 19.10-322
Bolgiano, R., Jr., 19.11-312
Turbulence zones
Aleksandrov, V. S. et al., 19.9-423
Turbulent boundary layer
Tirumalesa, D., 19.4-280
Hirsch, R., 19.6-21
Ailman, C. M. et al., 19.9-80
Eichelbrenner, E. A., 19.10-232
Criminale, W. O., Jr., 19.10-325
Favre, S. et al., 19.10-326
Gerrard, J. H., 19.10-327
Kovasznay, L. S. G., 19.10-334
Rotta, J. C., 19.10-343
Walz, A., 19.10-350
Turbulent boundary layer separation
Sandborn, V. A. et al., 19.10-344
Turbulent boundary layer velocities
Sandborn, V. A. et al., 19.10-344
Turbulent diffusion
Hay, D. R., 19.9-141
Csanady, G. T., 19.9-438
Mandell, D. A. et al., 19.10-363
Iordanov, D., 19.12-189
Turbulent diffusion analysis
Schmidt, I., 19.6-248
Turbulent diffusion coefficient determination
Volkovitskii, O. A. et al., 19.11-316
Turbulent diffusion experiments
Porkolab, M. et al., 19.8-288
Turbulent diffusion–height relationships
Fletcher, R. D., 19.10-361
Turbulent diffusion in oceans
Cheredilov, B. F., 19.11-728
Turbulent diffusion models
Kao, S. K., 19.9-305
Turbulent diffusion symposia
Church, H. W., 19.9-437
Turbulent dispersion of fluid particles
Okuro, A., 19.10-248
Turbulent dispersion of particles
Hino, M. et al., 19.10-330
Turbulent eddies
Gurvich, A. S. et al., 19.10-329
Fischer, H. et al., 19.12-270
Turbulent energy
Kirwan, A. D., Jr., 19.10-246
Hinze, J. O., 19.10-331
Turbulent exchange above plane surfaces
Litvinova, V. D., 19.9-427
Turbulent exchange coefficient calculations
Panchev, St., 19.1-244
Turbulent exchange coefficients
Kamenkovich, V. M., 19.11-313
Turbulent exchange effects on atmospheric processes
Doronin, Iu. P. et al., 19.10-158
Turbulent exchange in lower atmosphere
Calder, K. L., 19.4-286
Bobyleva, I. M. et al., 19.9-428
Cramer, H. E., 19.10-360
Turbulent exchange in sea
Borisov, E. V., 19.4-654
Turbulent exchange measurements
Cramer, H. E., 19.10-360
Turbulent exchange over seas
Monin, A. S., 19.4-289
Turbulent exchange theories
Rotta, J. C., 19.10-343
Turbulent exchange variations
Litvinova, V. D., 19.9-427
Turbulent flow
Ivanov, V. N. et al., 19.1-256
Tirumalesa, D., 19.4-280
Yen, K. T., 19.7-262
Ohji, M., 19.10-242
Coles, D. et al., 19.10-323
Pfenninger, W. et al., 19.10-338
Tillmann, W., 19.10-348
Karasev, E. K., 19.11-295
Popov, V. N., 19.11-301
Tani, I., 19.11-315
Bearman, P. W., 19.11-381
Turbulent flow of air
Kirwan, A. D., Jr., 19.10-246
Handa, K. N. et al., 19.12-291
Turbulent flow of gases
Struminskii, V. V., 19.10-346
Turbulent flow of liquids investigation
Harlow, F. H. et al., 19.12-273
Turbulent fluid motion
Hinze, J. O., 19.10-331
Turbulent flux measurement techniques
Arya, S. P. A. et al., 19.10-321
Turbulent heat exchange calculation techniques
Shekhter, F. N., 19.1-253
Turbulent heat exchange near sea surface
Voskanian, A. G. et al., 19.5-227
Fedorova, Z. P., 19.11-737
Turbulent heat flow determination
Businger, J. A. et al., 19.3-226
Turbulent heat flux
Akademiia Nauk SSSR, Izvestiia, Fizika Atmosfery i Okeana, July 1967, 19.1-250
Orlenko, L. R., 19.1-251
Tsvang, L. R. et al., 19.1-254
Berkovich, L. V., 19.3-161
Turbulent heat transfer in water
Borisov, E. V., 19.4-654
Turbulent jets
Craya, A. et al., 19.10-324
Turbulent layer thickness in jet stream zone
Kapitanova, T. P., 19.9-426
Turbulent mixing
Holzworth, G. C., 19.3-140

Lebedev, S. L., 19.9-309
Uberoi, M. S. et al., 19.10-349
Zats, V. I., 19.10-742
Bowden, K. F., 19.12-715
Turbulent mixing in sea water
Kitaigorodskii, S. A. et al., 19.5-664
Turbulent motion in cumulonimbus
Aleksandrov, V. S. et al., 19.9-423
Turbulent motion of a plasma in a magnetic field
Asseo, E. et al., 19.5-513
Turbulent plasma
Ichimaru, S., 19.6-558
Ichimaru, S. et al., 19.6-559
Turbulent temperature fluctuations
Byzova, N. L. et al., 19.9-429
Cramer, H. E., 19.10-360
Turbulent transfer effects on β-activity
Israelsson, S., 19.12-162
Turbulent transfer of heat
Swinbank, W. C. et al., 19.3-357
Dyer, A. J., 19.4-287
Yen, K. T., 19.7-262
Eichelbrenner, E. A., 19.10-232
Cramer, H. E., 19.10-360
Turbulent transfer of mass
Hanratty, T. J., 19.10-234
Barry, P. J. et al., 19.10-353
Turbulent transfer of momentum
Yen, K. T., 19.7-262
Cramer, H. E., 19.10-360
Turbulent transfer of water vapor
Brutsaert, W., 19.2-264
Swinbank, W. C. et al., 19.3-357
Dyer, A. J., 19.4-287
Hoegstroem, U., 19.10-235
Turbulent transport processes
Harlow, F. H. et al., 19.6-328
Turbulent velocity field
Misme, P., 19.11-314
Turbulent wakes
Gartshore, I. S., 19.12-271
Tuyuksu Glacier
Golovkova, R. G. et al., 19.6-718
Twenty-four hour forecasts for 1000 mb level
Hill, G. E., 19.3-101
Twenty-four hour periodicities
Corbet, P. S., 19.2-309
Twenty-seven day cosmic ray variations
Mori, S., 19.3-432
Twenty-seven day geomagnetic variations
Tanaka, H. et al., 19.3-495
Shapiro, R., 19.4-523
Jacobs, J. A. et al., 19.8-578
Twenty-six month periodic wind fluctuation
Sprenger, K. et al., 19.5-423
Troup, A. J., 19.6-349
Rahmatullah, M., 19.8-360
Twenty-six month periodicity
Boehme, W., 19.3-165
Riazanova, L. A., 19.8-361
Twenty-six month periodicity in meridional circulation
Boehme, W., 19.1-178
Twenty-six month periodicity in stratospheric temperatures
Godson, W. L., 19.3-166
Rahmatullah, M., 19.8-360
Twenty-six month periodicity in stratospheric winds
Godson, W. L., 19.3-166
Tucker, G. B. et al., 19.7-356
Rahmatullah, M., 19.8-360
Twenty-six month periodicity in temperatures
Rahmatullah, M., 19.8-360
Twenty-two year cosmic ray variations
Wada, M. et al., 19.5-451
Twilight airglow
Moos, H. W. et al., 19.2-414
Twilight airglow emissions
Gadsden, M., 19.2-411
Twilight emission lines
Gadsden, M., 19.4-186
Twilight helium emission
Fedorova, N. I., 19.1-337
Tinsley, B. A., 19.6-460
Twilight nitrogen emission
Broadfoot, A. L., 19.5-435; 19.10-490
Twilight observations
Gadsden, M., 19.2-325
Gouin, P., 19.8-468
Twilight polarization
Dietze, G., 19.5-374
Twilight sky brightness
Pyldmaa, V., 19.7-475
Twilight sky polarization
Kohl, G., 19.10-494
Twilight sky scattering
Broadfoot, A. L., 19.10-490
Twilight spectral lines
Biondi, M. A. et al., 19.9-620
Two hundred mb circulation patterns
Wright, P. B., 19.6-252
Two-level forecasting models
Petrichenko, I. A., 19.3-104
Ellsaesser, H. W., 19.7-169
Type V solar bursts
Zhelezniakov, V. V., 19.12-583
Typhoon "Clara" (1967)
Bogin, H., 19.10-253
Formosa. Provincial Wea. Bur., 19.10-256
Typhoon "Marie" (1966)
Fett, R. W., 19.6-272
Typhoon "6523" (1965)
Kawanabe, Y. et al., 19.9-338
Typhoon analysis
Bogin, H., 19.10-253
Formosa. Provincial Wea. Bur., 19.10-256
Typhoon damage
Formosa. Provincial Wea. Bur., 19.10-256
Typhoon data
Stekhnovskii, D. I. et al., 19.11-329
Typhoon development
Fett, R. W., 19.6-272
Typhoon forecast accuracy
Chi, K. H., 19.7-182
Typhoon forecaster's guide
Chi, K. H., 19.7-182
Typhoon formation
Fett, R. W., 19.6-272
Typhoon movement forecasting
Chi, K. H., 19.7-182
Typhoon trajectories
Purganskii, V. S., 19.3-196
Typhoon waves
Khvan, A. P., 19.2-570
Kawanabe, Y. et al., 19.9-338
Ijima, T. et al., 19.10-380
Typhoon winds
Kawanabe, Y. et al., 19.9-338
Typhoons, Northwest Pacific Ocean (1966)
Mariners Weather Log, Wash., D.C., 19.3-195
Typhoons, Northwest Pacific Ocean (1967)
DeAngelis, R. M., 19.11-328

U

UHF radio wave propagation
Gierhart, G. D. et al., 19.11-101
ULF propagation
Troitskaia, V. A. et al., 19.9-640
ULF radiation generation
Trakhtengerts, V. Iu., 19.1-455
Ultrasonic absorption
Higgs, R. W. et al., 19.5-392
Ultrasonic buoys
Ryzhkov, Iu. G. et al., 19.2-532
Ultrasonic diffraction
Il'in, V. S. et al., 19.12-159
Ultrasonic ice soundings
Roethlisberger, H., 19.6-730

Ultrasonic soundings
  Ahtye, W. F., 19.12-166
Ultraviolet absorption
  Rodionov, S. F. et al., 19.2-212
  Quemerais, A. et al., 19.6-560
Ultraviolet climate
  Belinskii, V. A. et al., 19.2-209
Ultraviolet emission in auroras
  Barth, C. A., 19.10-571
Ultraviolet radiation attenuation
  Miller, D. E., 19.5-221
Ultraviolet radiation effects on ionosphere
  Bhattacharyya, J. C. et al., 19.4-406
Ultraviolet radiation instruments
  Neuberger, H. et al., 19.7-142
  Nader, J. S., 19.11-343
Ultraviolet radiation intensities
  Belinskii, V. A. et al., 19.2-209
  Generalov, A. A., 19.2-210
Ultraviolet radiation measurement techniques
  Neuberger, H. et al., 19.7-142
  Gundersen, N. A., 19.9-374
Ultraviolet radiation measurements
  Dolainsky, F. et al., 19.4-250
  Leistner, W., 19.4-251
  Nadar, J. S., 19.11-343
Ultraviolet radiation transmission
  Rodionov, S. F. et al., 19.2-212
Ultraviolet sky brightness measurement techniques
  Lefcort, M. C., 19.10-138
Ultraviolet sky radiation
  Bener, P., 19.9-379
Ultraviolet spectra of stars
  Underhill, A. B. et al., 19.5-607
Ultraviolet variations
  Gajzago, L., 19.5-220
Umkehr observations
  DeLuisi, J. J., 19.7-313
"Unanue" Cruise, 1965
  Guillen, O., 19.9-740
Under ice lake temperatures
  Hill, H., 19.1-587
Under ice sonar profiles
  Mellen, R. H., 19.5-647
Under ice studies
  Undersea Technology, Wash., D.C., Aug. 1966, 19.5-632
Underground alimentation
  Sitnikov, V. K. et al., 19.7-818
Underground cosmic ray measurement techniques
  Reines, F., 19.8-563
Underground cosmic ray variations
  Dutt, J. C. et al., 19.6-521
Underground discharge of rivers
  Zinov'eva, L. E., 19.3-703
Underground radio wave transmission
  Biggs, A. W., 19.12-49
Underground runoff
  Chernaia, T. M., 19.2-604
  Amus'ia, A. Z. et al., 19.2-606
  Ivanova, E. M., 19.2-607
  Nebozheva, N. P., 19.2-608
  Popov, O. V., 19.2-609
Underground runoff calculations
  Zamanov, Kh. D., 19.3-694
Underground runoff recharge of rivers
  Chernaia, T. M., 19.2-604
  Ivanova, E. M., 19.2-607
  Nebozheva, N. P., 19.2-608
Underground water movements
  Zektser, I. S. et al., 19.3-699
  Lifshits, F. A. et al., 19.7-816
Underground water recharge of rivers
  Ivanova, E. M. et al., 19.1-593
  Amus'ia, A. Z. et al., 19.2-606
  Gurevich, M. I., 19.3-695
  Piguzova, V. M. et al., 19.3-696
  Popov, G. V., 19.3-697
  Vol'ftsun, I. B., 19.3-698
  Zektser, I. S. et al., 19.3-699
  Amus'ia, A. Z. et al., 19.4-751
  Lifshits, F. A. et al., 19.7-816
  Sitnikov, V. K. et al., 19.7-818
Underground water regime
  Kissin, I. G., 19.12-9
Underwater acoustic instruments
  Snyder, R. F., 19.2-533
Underwater acoustics
  Natl. Telemet. Conf., San Francisco, May 1967, 19.7-24
  Konrad, W. L., 19.7-735
Underwater communication systems
  Bannister, P. R., 19.8-74
  Smith, C. H., 19.11-703
Underwater instrument packages
  Kiselev, V. I. et al., 19.4-619
Underwater light measurement techniques
  Jerlov, N. G., 19.2-535
Underwater observation techniques
  Cornell, S., 19.3-627
  Fine, S., 19.8-711
Underwater photography
  Briggs, R. O., 19.9-748
Underwater photometry
  Heavers, R. M., 19.7-736
Underwater pressure waves
  Stas', I. I., 19.3-109
Underwater research vessels
  Marquet, W. M., 19.11-696
  Piccard, J., 19.11-698
Underwater sound channel
  Hill, R. F., 19.8-720
  Le Blanc, L. R., 19.8-721
Underwater sound measurement techniques
  Clark, J. G. et al., 19.5-644
Underwater sound propagation
  Clark, J. G. et al., 19.5-644
  Hill, R. F., 19.8-720
  Rowlands, R. O. et al., 19.8-722
Underwater sound scattering
  Mellen, R. H., 19.5-647
Underwater telemetry
  Hill, R. F., 19.8-720
  Le Blanc, L. R., 19.8-721
  Rowlands, R. O. et al., 19.8-722
Underwater wave recorders
  Hom-ma, M. et al., 19.10-717
Unfrozen water in frozen soils
  Williams, P. J., 19.8-366
Unit hydrograph calculation
  Snyder, W. M., 19.3-683
  Ghose, S. K., 19.4-769
Unit hydrographs
  Buil, J. A., 19.7-402
  Viessman, W., Jr., 19.7-839
U.K. satellite, Ariel 3
  Nature, London, 1967, 19.5-119
  Wildman, P. J. L., 19.6-139
  Bullough, K. et al., 19.10-123
U. S. Air Force. Cambridge Laboratory publications
  U. S. Air Force. Cambridge Research Labs., 19.11-75
U.S.A.F. Cambridge Research Laboratory publications
  U.S.A.F. Cambridge Res. Labs., Bedford, Mass., 19.10-43
U. S. Air Force. Office of Aerospace Research
  U. S. Air Force. Office of Aerospace Research, 19.4-33
U. S. Air Force. Office of Aerospace Research Program
  U. S. Air Force. Office of Aerospace Research, 19.2-39
U. S. Air Force scientific research bibliographies
  Internatl. Assoc. of Sci. Hydr., 19.7-45
U. S. Air Weather Service
  U. S. Air Weather Service, 19.7-27
  Martin, D. E., 19.7-171

- **U. S. Air Weather Service weather modification program**
  - Appleman, H. S., 19.11-211
- **U. S. Antarctic research**
  - Roberts, C. L., Jr., 19.4-54
- **U. S. Antarctic research programs**
  - Antarctic Journal of the United States, Wash., D.C., 19.2-31
  - U. S. Antarctic Research Program., 19.7-128
- **U. S. Antarctic stations**
  - Weyant, W. S., 19.12-158
- **U. S. Atomic Energy Commission reports**
  - U. S. Atomic Energy Com., 19.11-55
- **U. S./Canadian satellite, Alouette 1**
  - King, J. W. et al., 19.2-366, 367
  - Dyson, P. L., 19.4-416
  - Jespersen, J. L., 19.8-511
  - Carpenter, D. L. et al., 19.9-569
- **U. S./Canadian satellite, Alouette 2**
  - Carpenter, D. L. et al., 19.9-569
  - Barrington, R. E. et al., 19.9-574
  - Egeland, A. et al., 19.11-592
- **U. S./Canadian satellites, Alouette**
  - Paghis, I., 19.8-524
- **U. S. Coast and Geodetic Survey vessels**
  - U. S. ESSA, 19.10-715
- **U. S. Environmental Science Services Administration,** *see* **Environmental Science Services Administration**
- **U. S. geological survey**
  - U. S. Geol. Survey, 19.11-56
- **U. S. Institute for Telecommunication Sciences, Tropospheric Telecommunications Laboratory**
  - U. S. Inst. for Telecom. Sci., Boulder, Colo., 19.9-48
- **U. S. Institute for Telecommunication Sciences and Aeronomy**
  - U. S. Inst. for Telecomm. Sciences & Aeronomy, 19.11-255
- **U. S. Interdepartmental Committee for Atmospheric Sciences**
  - Newell, H. E., 19.9-62
- **U. S. International Years of the Quiet Sun Programs**
  - International Years of the Quiet Sun, 1964-1965, U. S. Committee, 19.1-7
- **U. S. meteorological satellites**
  - U. S. ESSA, 19.8-42
- **U. S. National Aeronautics and Space Administration,** *see* **National Aeronautics and Space Administration**
- **U. S. Natl. Agric. Weather Service**
  - Farm Journal, Phil., 19.12-139
- **U. S. Navy APL satellite, 1963, 38C**
  - Zmuda, A. J., 19.1-405
- **U. S. Navy automatic weather stations**
  - Mottern, R. E. et al., 19.4-94
- **U. S. Navy meteorological research**
  - O'Neill, T. H. R., 19.8-40
- **U. S. Navy oceanographic programs**
  - U. S. Office of the Oceanog. of the Navy, 19.6-641, 19.8-696
  - Miscoski, V. T., 19.9-725
- **U. S. Navy satellite, Tranet**
  - Guier, W. H., 19.5-111
- **U. S. oceanographic research**
  - U. S. President, 1963–(Johnson), 19.4-601, 19.9-15
- **U. S. oceanography programs**
  - U. S. Interagency Committee on Oceanography, 19.4-615
  - Valery, N., 19.8-698
  - U. S. President, 1963–(Johnson), 19.9-15
- **U. S. participation in IQSY**
  - IQSY, 4th Assembly, 1967, 19.10-115
- **U. S. satellite, ATS-1**
  - Fujita, T. et al., 19.11-444
- **U. S. satellite, Calsphere 1**
  - Cook G. E. et al., 19.4-173
- **U. S. satellite, Echo 2**
  - Goodman, J. M., 19.3-382
  - Cook, G. E. et al., 19.4-173
- **U. S. satellite, Essa 1**
  - Wiegman, E. J. et al., 19.7-384
- **U. S. satellite, Essa 2**
  - Haupt, I., 19.1-89
  - Tsuchiya, K. et al., 19.8-425
- **U. S. satellite, Essa 3**
  - U. S. Environmental Data Service, 19.3-83
  - Kornfield, J. et al., 19.5-114
  - Streten, N. A., 19.9-325
- **U. S. satellite, Essa 5**
  - Kornfield, J. et al., 19.5-114
- **U. S. satellite, Explorer 1**
  - Heacock, R. L., 19.11-631
- **U. S. satellite, Explorer 6**
  - Moe, K., 19.4-267
- **U. S. satellite, Explorer 9**
  - Roemer, M., 19.5-502
- **U. S. satellite, Explorer 17**
  - Bettinger, R. T. et al., 19.7-164
- **U. S. satellite, Explorer 26**
  - Brown, W. L. et al., 19.4-526
- **U. S. satellite, Explorer 30**
  - Gregory, B. N. et al., 19.1-501
  - Takao, K., 19.9-383
- **U. S. satellite, Explorer 31**
  - Donley, J. L., 19.8-503
- **U. S. satellite, Explorer 33**
  - Armstrong, T. P. et al., 19.4-527
  - Van Allen, J. A., 19.6-618
  - Behannon, K. W., 19.8-566
  - Lyon, E. et al., 19.8-587
- **U. S. satellite, Explorer 35**
  - Colburn, D. S. et al., 19.3-553
  - Sonett, C. P. et al., 19.3-554
  - Lyon, E. F. et al., 19.5-528
  - Ness, N. F. et al., 19.5-556
- **U. S. satellite, Gemini 5**
  - Lovett, J. et al., 19.2-205
- **U. S. satellite, Gemini 9**
  - Goodman, J. M., 19.4-420
- **U. S. satellite, Gemini 10**
  - Sagalyn, R. C. et al., 19.10-651
- **U. S. satellite, Gemini 12**
  - Marbach, J. R. et al., 19.10-625
  - Sagalyn, R. C. et al., 19.10-651
- **U. S. satellite, IMP 1**
  - Patel, V. L., 19.10-629
- **U. S. satellite, IMP 2**
  - Binsack, J. H., 19.2-459
  - Binsack, J. H. et al., 19.6-545
- **U. S. satellite, IMP 3**
  - Hundhausen, A. J. et al., 19.2-464
  - Fan, C. Y. et al., 19.7-567
  - Ness, N. F. et al., 19.12-566
- **U. S. satellite, Imp A**
  - Brunstein, K. A., 19.5-442
- **U. S. satellite, Imp B**
  - Rothwell, P., 19.3-497
- **U. S. satellite, Injun 3**
  - Milton, D. W. et al., 19.5-439
  - Gurnett, D. A., 19.7-488
  - Fritz, T. A., 19.10-5
- **U. S. satellite, Injun 4**
  - Krimigis, S. M. et al., 19.5-510
- **U. S. satellite, Nimbus 1**
  - Wuerch, D. E., 19.1-96
  - Dombkovskaia, E. P., 19.5-109
  - Allison, L. J. et al., 19.5-636
  - Rutherford, G. T., 19.6-162
- **U. S. satellite, Nimbus 2**
  - Allied Research Associates, Inc., Concord, Mass., 19.1-85
  - Moeller, F., 19.1-203
  - Allied Research Associates,

Inc., Concord, Mass., 19.2-88
Thompson, A. H. et al., 19.9-355
Kikuchi, K. et al., 19.10-124
Warnecke, G. et al., 19.10-307
Merritt, E. S. et al., 19.12-85
Kuhn, P. M., 19.12-243

U. S. satellite, 1966-101G
King-Hele, D. G. et al., 19.8-220

U. S. satellite, OV3-3
Scarf, F. L. et al., 19.9-565

U. S. satellite, Pegasus 1
Linton, R. C., 19.10-288

U. S. satellite S-66
Mass, J. et al., 19.3-394

U. S. satellite, Secor 6
King-Hele, D. G. et al., 19.10-187

U. S. satellite, Surveyor 1
Spradley, L. H. et al., 19.5-558
Wang, J. T., 19.11-643

U. S. satellite, Surveyor 3
Shoemaker, E. M. et al., 19.12-588

U. S. satellite, Tiros 3
Kondrat'ev, K. Ia. et al., 19.1-216
Raschke, E., 19.6-361

U. S. satellite, Tiros 4
Ninomiya, K., 19.2-280
Winston, J. S. et al., 19.4-247
Ruff, I. et al., 19.7-305
Schuepp, W., 19.12-237

U. S. satellite, Tiros 7
Kennedy, J. S. et al., 19.2-164
Winston, J. S. et al., 19.4-247
Bonner, W. D. et al., 19.5-107
Zamorskii, A. D. et al., 19.8-300
Shen, W. C. et al., 19.8-364
Merritt, E. S. et al., 19.12-85

U. S. satellite, Tiros 8
Bonner, W. D. et al., 19.5-107

U. S. satellite, Tiros 9
Vederman, J. et al., 19.3-280

U. S. satellite, Tiros 10
Vederman, J. et al., 19.3-280

U. S. satellite, Vela 3
Hundhausen, A. J. et al., 19.2-464
Gosling, J. T. et al., 19.4-541
Spreiter, J. R. et al., 19.8-602
Hundhausen, A. J. et al., 19.11-590

U. S. satellite, Vela 3 A
Greenstadt, E. W. et al., 19.4-542

U. S. satellites
Harnischmacher, E., 19.10-531
Kovalevsky, J., 19.10-672

U. S. satellites, Early Bird
Aarons, J. et al., 19.6-474
Harnischmacher, E., 19.10-531
Slack, F. F., 19.10-556

U. S. satellites, Essa
Rubin, L., 19.8-620

U. S. satellites, Explorer
Lin, R. P., 19.9-594

U. S. satellites, Nimbus
Barret, E. C., 19.7-134
Internatl. Radio Consultative Comm., 19.8-104
Press, H. et al., 19.9-654
Santa Barbara Research Center, Goleta, Calif., 19.10-134
Philco Corp. Systems Tech. Center, Arlington, Va., 19.12-54
Eslinger, C. et al., 19.12-84

U. S. satellites, Pegasus
Rosen, A. et al., 19.8-592

U. S. satellites, Tiros
U. S. National Environmental Satellite Center, 19.1-23
Blackmer, R. H., Jr. et al., 19.3-76
Bakhtin, M. G. et al., 19.5-106
Buschner, W., 19.6-280
Golden, J. H., 19.6-384
Barret, E. C., 19.7-134
Internatl. Radio Consultative Comm., 19.8-104
Minina, L. S. et al., 19.8-299
Godshall, F. A., 19.8-315
Sternberg, S., 19.9-657
James, D. G., 19.10-407

U. S. space probe, Lunar Orbiter 2
Boeing Co., Seattle, Wash., 19.5-557

U. S. space probe, Lunar Orbiter 3
Spradley, L. H. et al., 19.5-558

U. S. space probe, Mariner 2
Pollack, J. B. et al., 19.2-499
Anderson, H. R., 19.8-551
Unti, T. W. J. et al., 19.9-642

U. S. space probe, Mariner 4
Davydov, V. D., 19.3-559
Neher, H. V. et al., 19.4-492
O'Gallagher, J. J., 19.4-493
Siscoe, G. L. et al., 19.4-513
New Scientist, London, Aug. 1967, 19.5-576
Nicks, O. W., 19.5-577
Anderson, H. R., 19.8-551
McCoy, J. E. et al., 19.8-559
Alexander, W. M. et al., 19.8-632
Calif. Inst. of Tech. Jet Propul. Lab., 19.9-19
Kliore, A. J., 19.11-651

U. S. space probe, Mariner 5
Barth, C. A. et al., 19.5-563
Hunter, G. S., 19.5-565
Kliore, A. et al., 19.5-566
Snyder, C. W., 19.5-568
Mariner Stanford Group, 19.7-668
Barth, C. A., 19.12-222
Donahue, T. M., 19.12-592
Kliore, A. et al., 19.12-596
McElroy, M. B., 19.12-597
Stewart, R. W., 19.12-600

U. S. space probe, Pioneer 6
Khokhlov, M. Z., 19.7-626

U. S. space probe, Pioneer 7
Wolfe, J. H. et al., 19.2-469

U. S. space probe, Surveyor 1
Filice, A. L., 19.2-495
Jaffe, L. D., 19.9-674
Stubbs, P., 19.11-642

U. S. space probe, Surveyor 3
De Vries, Tj. E. et al., 19.3-551
Scott, R. F., 19.11-641

U. S. space probe, Surveyor 5
De Wys, J. N., 19.2-494
Christensen, E. M. et al., 19.3-552
Sharp, A., 19.5-555

U. S. space probe, Surveyor 6
Turkevich, A. L. et al., 19.10-678

U. S. space probes, Pegasus
Russell, L. W. et al., 19.11-602
Schafer, C. F. et al., 19.11-603

U. S. space probes, Ranger
Chapman, C. R., 19.8-650

U. S. space probes, Surveyor
Stubbs, P., 19.2-497
Sky and Telescope, 19.8-648

U. S. space research
Jastrow, R., 19.1-38
Naugle, John E., 19.1-39

U. S. space research program
Internatl. Counc. of Sci. Unions, 19.8-614

United States Standard Atmosphere Supplements
United States Committee on Extension to the Standard Atmosphere, 19.2-9

U. S./U.K. satellite, Ariel 1
Campbell, F. P., 19.3-79
Henderson, C. L. et al., 19.3-82

U. S./U.K. satellite, Ariel 3
Stubbs, P., 19.12-86

U. S. Weather Bureau ACN Project
Neyman, J. et al., 19.8-207

U. S. Weather Bureau publications
U. S. Weather Bureau, 19.6-33

U. S. Weather Bureau services
Roberts, C. F. et al., 19.6-183
Universe
Gould, R. J., 19.6-566
Gamow, G., 19.6-569
Universities and meteorology
Wiin-Nielsen, A., 19.3-20
Okolowicz, W., 19.5-356
University courses in meteorology
Long, W. H., 19.10-34
Unsteady flow effects on river runoff
Liggett, J. A. et al., 19.8-774
Updrafts
Goldman, J. L., 19.7-294
Updrifts
Pastushkov, R. S. et al., 19.11-423
Upper air calculations
Zhantuarov, R. S., 19.1-158
Upper air chart analysis
U. S. Natl. Met. Ctr., 19.6-168
Upper air circulation
Mattana, N. et al., 19.4-303
Murgatroyd, R. J., 19.8-320
Fedele, D. et al., 19.11-275
Upper air circulation patterns
Wright, P. B., 19.6-252
Upper air climatology
Coulter, J. D., 19.4-376
Cehak, K., 19.6-313
Upper air conditions–plant disease relationships
Hogg, W. H., 19.7-60
Upper air data
Netherlands. Met. Inst., 19.7-118
Upper air data analysis
Teweles, S., 19.1-66
Dennis, A. S., 19.4-384
Engler, N. A., 19.7-103
Unukova, A. A., 19.8-99
Viezee, W. et al., 19.9-215
Puig, Cerver M., 19.12-78
Upper air data processing
Krechmer, M. V. et al., 19.8-84
Prashko, D. V. et al., 19.9-131
Upper air data summaries
Denmark. Met. Inst., 19.9-160
Upper air fronts
Kalazhokov, Kh. Kh., 19.1-196
Creswick, W. S., 19.2-184
Bezuglaia, E. Iu., 19.5-175
Upper air humidity
Kovrova, A. M. et al., 19.2-227
Volevakha, V. A., 19.2-248
Ball, J. T. et al., 19.12-316
Chisholm, D. A. et al., 19.12-317
Upper air humidity accuracy
Matveev, L. T., 19.3-51
Orlova, E. M., 19.3-57
Upper air humidity data
Ishida, K. et al., 19.10-116
Upper air humidity distribution
Raschke, E., 19.6-361
Upper air humidity measurement techniques
Morrissey, J. F., 19.1-109
Orlova, E. M., 19.3-57
Squires, P., 19.3-75
Neporent, B. S. et al., 19.5-70
Gjessing, D. T. et al., 19.6-154
Veigas, K. W., 19.12-314
Upper air ionization
Bragin, Iu. A., 19.8-484
Upper air lows–winter precipitation relationships
Klein, W. H. et al., 19.8-289
Upper air observation
Suomi, V. E., 19.8-81
Netherlands. Met. Inst., 19.9-154
Upper air observation techniques
Belinskii, V. A. et al., 19.2-10
Suomi, V. E., 19.8-81
Upper air ozone
Vassy, A., 19.8-267
Upper air pressure calculations
Musaelian, Sh. A. et al., 19.6-135
Upper air pressure correlations
Cehak, K., 19.6-313
Upper air pressure data
Ishida, K. et al., 19.10-116
Upper air pressure measurement techniques
Asseng, E., 19.11-117
Rink, J., 19.11-147
Upper air pressure measurements
Von Gohren, E. V., 19.4-93
Faire, A. C. et al., 19.8-217
Izakov, M. N. et al., 19.9-403
Upper air sampling
Hord, J., 19.5-104
Upper air sounding techniques
Murphy, C. H. et al., 19.1-65
Teweles, S., 19.1-66
Cena, G., 19.4-63
Facy, L., 19.8-83
Murphy, C. H. et al., 19.8-85
Fedele, D., 19.11-112
Upper air soundings
Lowenthal, M. J., 19.9-161
Theon, J. S. et al., 19.11-140
Upper air synoptic analysis
Cehak, K., 19.6-313
Upper air temperature calculations
Prashko, D. V. et al., 19.9-131
Upper air temperature changes
Lateef, M. A., 19.9-404
Upper air temperature correlations
Cehak, K., 19.6-313
Upper air temperature data
Ishida, K. et al., 19.10-116
Upper air temperature fluctuations–geomagnetic relationships
Palm, A., 19.3-217
Chandra, S. et al., 19.8-354
Upper air temperature forecasting
Kreitzberg, C. W., 19.3-36
Upper air temperature instruments
Osipov, Iu. G., 19.3-52
Ballard, H. N., 19.4-69
Upper air temperature measurement errors
Matveev, L. T., 19.3-51
Daniels, G. E., 19.5-66
Glagolev, Iu. A. et al., 19.9-173
Marfenko, O. V. et al., 19.9-191
Upper air temperature measurement techniques
Kays, M. et al., 19.1-82
Salah, J. E., 19.3-50
Ballard, H. N., 19.4-69
Daniels, G. E., 19.5-66
Gjessing, D. T. et al., 19.6-154
Belmont, A. D. et al., 19.7-327
Thompson, D. C., 19.8-102
Izakov, M. N. et al., 19.9-403
Upper air temperature measurements
Salah, J. E., 19.3-50
Von Gohren, E. V., 19.4-93
Faire, A. C. et al., 19.8-217
Upper air temperature periodicities
Godson, W. L., 19.3-166
Upper air temperature–pressure correlations
Olevinskaia, S. K., 19.4-210
Upper air temperature profiles
Miller, A. J. et al., 19.10-310
Jacchia, L. G., 19.11-276
Upper air temperature regime
Kovrova, A. M. et al., 19.2-227
Khanevskaia, I. V., 19.10-6
Upper air temperature–solar EUV radiation relationships
Chandra, S. et al., 19.8-354
Upper air temperature variations
Kupianskaia, A. P., 19.3-216
Schilling, G. F., 19.7-241
Uranova, L. A., 19.8-357
Nitzschke, P., 19.11-368
Kutzbach, G. et al., 19.12-262
Upper air turbulence
Shur, G. N., 19.9-436
Gossard, E. E., 19.9-580

Blamont, J. D. et al., 19.10-356
Upper air turbulence measurement techniques
MacCready, P., 19.2-238
Reiter, E. R., 19.3-74
Teitelbaum, H., 19.6-326
Blamont, J. D. et al., 19.10-356
Upper air water vapor measurements
Mitchell, L. V., 19.2-69
Upper air weather situations
Maede, H., 19.1-226
Upper air wind analysis
Endlich, R. M., 19.2-66
Il'in, G. P. et al., 19.3-224
Woodrum, A. et al., 19.6-350
Bedinger, J. F. et al., 19.7-352
Spizzichino, A., 19.11-419
Upper air wind code manuals
U. S. Weather Bureau, 19.9-213
Upper air wind computation
Luers, J. et al., 19.2-67
Mancuso, R. L., 19.3-55
Koshel'kov, Iu. P. et al., 19.5-68
Musaelian, Sh. A. et al., 19.6-135
Vondrackova, H., 19.6-348
Chardonnal, G., 19.7-107
Prashko, D. V. et al., 19.9-131
Upper air wind correlations
Troup, A. J., 19.6-349
Upper air wind data analysis
Barbe, G. D. et al., 19.8-389
Trifonov, G. P., 19.9-135
Cochrane, J. A. et al., 19.10-389
Upper air wind determination
Fujita, T. et al., 19.11-444
Upper air wind distribution
Blamont, J. -E., 19.8-392
Upper air wind effects on gravity waves
Hines, C. O., 19.11-310
Upper air wind fluctuations
Patsaeva, V. A., 19.5-266
Upper air wind instruments
Vaisala News, Helsinki, 1967, 19.6-149
Upper air wind measurement errors
Walczewski, J., 19.6-106
Krechmer, M. V., 19.9-132
Upper air wind measurement techniques
Bollermann, B. et al., 19.1-79
Kays, M. et al., 19.1-82
Frey, E. J., 19.2-83
Kubinski, S. F., 19.3-54
Reiter, E. R., 19.3-74
Barnes, A. A., Jr., 19.4-65
Andreeva, L. A. et al., 19.4-71
Masenkis, A. S. et al., 19.5-99
Lob, W. H., 19.7-353
Walczewski, J., 19.8-391
Krechmer, M. V., 19.9-132
Anthony, M., 19.10-387
Nowak, R., 19.12-7
Upper air wind measurements
Rao, M. S. V., 19.6-131
Walczewski, J., 19.8-391
Anthony, M., 19.10-387
Spizzichino, A., 19.11-419
Upper air wind observation techniques
Newell, R. E. et al., 19.9-133
Upper air wind patterns
Vu, B. K., 19.2-256
Upper air wind–pressure correlations
Bugaeva, I. V., 19.4-305
Upper air wind regime
Volevakha, V. A., 19.2-248
Cochrane, J. A. et al., 19.10-389
Upper air wind shear
Mueller, H. G., 19.6-347
Upper air wind statistics
Bradka, J., 19.6-345
Upper air wind structure
Bell, B., 19.6-344
Mahoney, J. R. et al., 19.6-346
Blamont, J. E., 19.8-392
Miller, A. J. et al., 19.10-310
Hines, C. O., 19.11-309
Upper air wind variability
Steinhauser, F., 19.6-351
Upper air wind variations
Woodrum, A. et al., 19.6-350
Upper air wind velocity distribution
Cochrane, J. A. et al., 19.10-389
Upper air winds
King-Hele, D. G. et al., 19.2-254
Boehme, W., 19.3-165
Ananthakrishnan, R. et al., 19.3-170
Steinhauser, F. et al., 19.3-245
Mattana, N. et al., 19.4-303
King-Hele, D. G. et al., 19.8-253
Challinor, R. A., 19.10-201
Fedele, D. et al., 19.11-275
Zav'ialova, I. N. et al., 19.11-420
Upper atmosphere
Bhar, J. N., 19.4-185
Lateef, M. A., 19.9-404
Upper atmosphere bibliographies
Japan. Science Council. National Committee for Geodesy and Geophysics, 19.5-36
Upper atmosphere chemistry
Ghosh, S. N., 19.5-166
Hampson, J., 19.8-250
Nicolet, M., 19.8-257
Maeda, K., 19.10-575
Upper atmosphere composition
Hoover, T. E. et al., 19.4-177
Jacchia, L. G., 19.4-178
Antonova, L. A. et al., 19.5-165
Stebbings, R. F. et al., 19.7-242
Fishkova, L. M. et al., 19.8-248
Martynkevitch, G. M. et al., 19.8-256
Kockarts, G., 19.9-278
Fedele, D. et al., 19.11-275
Upper atmosphere composition measurement techniques
Von Zahn, U., 19.4-68
Upper atmosphere conferences
Barnes, A. A., Jr., 19.4-65
Colloque Franco-Belge sur les Problemes..., March, 1965, 19.8-19
Upper atmosphere densities
Marov, M. Ia., 19.6-195; 19.8-255
King-Hele, D. G., 19.9-277
Upper atmosphere density
Burkard, O. M., 19.7-238
Upper atmosphere density distribution
Anderson, A. D., 19.6-132
Upper atmosphere density forecasting
Marov, M. Ia., 19.6-195
Upper atmosphere density–magnetic storms relationships
Roemer, M., 19.5-502
Upper atmosphere density measurement techniques
Salah, J. E., 19.3-50
Barnes, A. A., Jr., 19.4-65
Cook, G. E., 19.5-65
Golomb, D. et al., 19.8-218
Upper atmosphere density measurements
Von Gohren, E. V., 19.4-93
Faire, A. C. et al., 19.8-217
Nowak, R., 19.12-7
Upper atmosphere density profiles
Salah, J. E., 19.3-50
Upper atmosphere density variability
Keating, G. M. et al., 19.8-252
Upper atmosphere density variations
King-Hele, D. G. et al., 19.4-174
Thomas, L. et al., 19.4-175

King-Hele, D. G., 19.5-162
Smith, D. E. et al., 19.5-164
Schilling, G. F., 19.7-241
Jacchia, L. G. et al., 19.8-219
King-Hele, D. G. et al., 19.8-220
Lindblad, B. A., 19.8-221
King-Hele, D. G. et al., 19.10-187
Upper atmosphere diffusion
Rao, M. S. V., 19.6-131
Upper atmosphere diffusion measurement techniques
Andreeva, L. A. et al., 19.4-71
Upper atmosphere electron transfer
Stebbings, R. F. et al., 19.7-242
Upper atmosphere emission
Truttse, Iu. L., 19.7-244
Hampson, J., 19.8-250
Upper atmosphere heating
Moe, K., 19.4-267
Shved, G. M., 19.7-304
Thomas, G. E. et al., 19.8-260
Murgatroyd, R. J., 19.8-320
Chandra, S. et al., 19.8-354
Upper atmosphere heating–geomagnetic disturbance relationships
Krasovskii, V. I., 19.8-254
Upper atmosphere intensities
Jacchia, L. G., 19.11-276
Upper atmosphere investigations
Roehrs, H., 19.7-132
Upper atmosphere models
Jacchia, L. G., 19.1-156
Friedman, M. P., 19.3-142
Engler, N. A., 19.7-103
Schilling, G. F., 19.7-241
Champion, K. S. W., 19.8-247
Marov, M. Ia., 19.8-255
Upper atmosphere parameters
Zhantuarov, R. S., 19.1-158
Upper atmosphere phenomena
Oguti, T., 19.6-512
Upper atmosphere physics
Repnev, A. I., 19.1-157
Usmanov, R. F., 19.9-422
Upper atmosphere plasma
Ancona, C., 19.12-464
Upper atmosphere properties
Champion, K. S. W., 19.8-247
Upper atmosphere research
Teweles, S., 19.1-66
Jacchia, L. G., 19.1-156
Bhar, J. N., 19.4-185
Hines, C. O., 19.4-189
Newell, R. E., 19.4-193
Geomagnetizm i Aeronomiia, Moscow, 1967, 19.5-454
Craig, R. A., 19.6-39
Internatl. Counc. of Sci. Unions, Studies of the upper atmos., 19.8-611
Royal Society of London, 19.12-37
Upper atmosphere rotation effects on satellite orbits
Freund, R. B., 19.7-136
Upper atmosphere scale heights
Marov, M. Ia., 19.8-255
Upper atmosphere structure
Blamont, J. E. et al., 19.2-341
Hoover, T. E. et al., 19.4-177
Jacchia, L. G., 19.4-178
Burkard, O. M., 19.7-238
Izakov, M. N., 19.9-275
Frith, R., 19.10-203
Fedele, D. et al., 19.11-275
Upper atmosphere tides
Woodrum, A. et al., 19.6-350
Spizzichino, A., 19.9-421; 19.11-419
Upper atmosphere variations
Willett, H. C., 19.9-405
Upper atmospheres
Stewart, R. W., 19.12-600
Upper atmospheric optical inhomogeneity–noctilucent cloud relationships
Fesenkov, V. G., 19.8-470
Upper cloud boundary analysis
Dubrovina, L. S., 19.7-394
Upper cloud height frequencies
Dubrovina, L. S., 19.7-394
Upper density derived from satellite orbits
King-Hele, D. G. et al., 19.4-174
Upper F region
Chandra, S. et al., 19.6-480
Upper frontal zone variations
Bogdanov, M. A., 19.3-44
Upper inversions
Haraguchi, P. Y., 19.8-353
Upper ionosphere
King, J. W. et al., 19.2-364; 19.3-391
Legg, A. J. et al., 19.4-432
Hirao, K. et al., 19.8-506
Upper ionospheric structure
Webb, W. L., 19.10-497
Upper level depressions
Jorgensen, D. L. et al., 19.2-284
Weber, F., 19.6-266
Upper level troughs
Weber, F., 19.6-266
Upper level vortexes
Nakajima, C., 19.3-188
Upper mantle
Caner, B. et al., 19.5-509
Johnson, L. R., 19.10-601
Harris, P. G. et al., 19.10-622
Upper ocean boundary layer
Ichiye, T., 19.10-741
Benney, D. J., 19.11-724
Upper troposphere structure
Carlson, T. N., 19.9-330
Upper troposphere strucuture–tropical cyclone development relationships
Merritt, E. S., 19.7-237
Upper tropospheric winds
Troup, A. J., 19.6-349
Steinhauser, F., 19.6-351
Upper wind forecasting
Burtsev, A. I. et al., 19.7-167
Upwelling
Yoshida, K., 19.1-557
Panshin, D. A., 19.2-253
Hoeller, E., 19.5-673
Upwelling and sinking
Rossov, V. V. et al., 19.5-668
Upwelling calculations
Takano, K., 19.6-678
Uranium in fallout
Matsunami, T. et al., 19.11-290
Uranium in sea water
Skopintsev, B. A. et al., 19.4-646
Uranus satellites
Bowell, E. L. G. et al., 19.9-689
Uranus spectrum
Giver, L. P. et al., 19.3-571
Urban atmospheric pollution
Morik, J., 19.1-145
Cook, A. K., 19.3-138
Hilst, G. R., 19.3-139
Holzworth, G. C., 19.3-140
Pelletier, J., 19.6-214
Lea, D. A., 19.7-218
Kertesz, M., 19.7-226
Wanta, R. C., 19.8-239
Vvedenskaia, L. I. et al., 19.12-150
Urban bioclimatology
Modval, M. et al., 19.11-94
Urban climates
Borisov, A. A., 19.6-41
Ludwig, F. L. et al., 19.7-469
Sladek, I., 19.7-470
Oke, T. R., 19.10-299
Chirakadze, G. I., 19.10-471
Urban daylight illumination
Popovics, M., 19.6-453
Urban development
Marwick, C., 19.5-158
Urban effects on atmospheric pollution
Vadot, L. et.al., 19.6-219
Urban heat island
Chandler, T. J., 19.2-224
Bornstein, R. D., 19.12-445
Urban influences
Oke, T. R., 19.10-299
Druyan, L. M., 19.12-280
Urban influences on precipitation
Lewinska, J., 19.7-424
Feig, A. M., 19.11-450

Urban influences on radiation
Probald, F., 19.6-215
Urban influences on temperature
Bornstein, R. D., 19.12-445
Urban influences on wind
White, K. C., 19.11-379
Urban microclimatology
Chirakadze, G. I., 19.10-471
Urban temperatures
Chandler, T. J., 19.2-224
Probald, F., 19.6-215
Oke, T. R., 19.10-299

V

VAD, *see* **Velocity-Azimuth Display**
VHF radio wave propagation
Fremouw, E. J. et al., 19.9-612
Gierhart, G. D. et al., 19.11-101
VHF sferics
Gherzi, E., 19.5-390
VLF electromagnetic waves
Rycroft, M. J., 19.10-551
VLF emission conjugacy
Helliwell, R. A., 19.6-551
VLF emission generation
Harang, L. et al., 19.2-473, 474
LF emission observation techniques
Ogawa, T. et al., 19.2-477
Kiselev, Iu. V. et al., 19.7-491
LF emission observations
Iwai, A. et al., 19.10-640
Egeland, A. et al., 19.11-592
LF emission research
Gendrin, R., 19.4-550
LF emission theories
Helliwell, R. A., 19.1-452
Kimura, I., 19.1-453
Gurnett, D. A., 19.7-488
LF emission variations
Carpenter, D. L. et al., 19.9-569
LF emissions
Al'pert, Ia. L., 19.1-451
Kimura, I., 19.1-453
Harang, L., 19.2-474
Ogawa, T. et al., 19.2-477
Helliwell, R. A., 19.4-551
LF emissions–auroral relationhips
Ungstrup, E., 19.2-478
LF emissions–geomagnetic elationships
Harang, L. et al., 19.2-473
Gendrin, R. et al., 19.10-638
LF emissions–ionospheric reationships
Reynolds, D. K. et al., 19.4-557
Gendrin, R. et al., 19.10-638
VLF field strength
Walker, D., 19.10-221
VLF hiss–electron flux relationships
Oliven, M. N. et al., 19.8-546
VLF hiss–magnetic disturbance relationships
Tanaka, Y. et al., 19.11-593
VLF hiss zones
Gurnett, D. A., 19.7-488
VLF phase changes
Rasmussen, J. F. et al., 19.10-547
VLF phase perturbations
Potemra, T. A. et al., 19.4-556
Leschiutta, S., 19.11-100
VLF phase variations
Burgess, B., 19.10-70
VLF propagation
Troitskaia, V. A. et al., 19.9-640
Albrecht, H. J., 19.10-510
VLF propagation studies
Grad, R. J. L., 19.10-526
VLF radio noise
Iversen, I. B. et al., 19.10-639
VLF radio signals
Walker, D., 19.10-221
VLF radio wave propagation
Baibulatov, R. B. et al., 19.1-427
Berry, L. A., 19.10-68
Bullough, K. et al., 19.10-123
Morganstern, J. C. et al., 19.10-214
VLF radio wave propagation anomalies
Carpenter, G. B. et al., 19.4-545
Kaiser, A. B., 19.11-102
VLF radio wave propagation at great distances
Schoute-Vanneck, C. A. et al., 19.4-558
Kaufmann, P. et al., 19.7-707
Burgess, B., 19.10-70, 518
Crombie, D. D., 19.10-522
Kaiser, A. B., 19.11-102
VLF radio wave propagation over medium distances
Leschiutta, S., 19.11-100
VLF radio wave reflection
Gambill, B., 19.12-557
Gossard, E. E. et al., 19.12-560
VLF sferics
Heckscher, J. L. et al., 19.6-550
VTOL aircraft
Swaim, R. L. et al., 19.6-59
Vaeisaelae radiosonde
Vaeisaelae, V., 19.10-147
Lindqvist, A., 19.11-157
Valley temperatures
Smith, K., 19.3-210
Aultizky, H., 19.8-344
Harrison, A. A., 19.9-390
Valley winds
Fosberg, M. A., 19.3-229
MacHattie, L. B., 19.9-446
Van Allen belts
Chapman, S. et al., 19.9-639
Vangengeim's transformation
Girs, A. A., 19.9-324
Vapor-phase thermodynamics
Prausnitz, J. M. et al., 19.7-265
Vapor pressure calculations
Aleksandrov, E. L., 19.5-276
Vapor pressure formulas
Othmer, D. F. et al., 19.7-363
Vapor pressure variations
Ambrosetti, F., 19.6-360
Vapor volume–vapor pressure relationships
Othmer, D. F. et al., 19.7-363
Vegetation
Eyre, S. R., 19.10-2
Vegetation effects on fog
Myers, J. N., 19.1-49
Vegetation effects on radio wave propagation
Sachs, D. L. et al., 19.7-84
Vegetation effects on snow melt
Gary, H. L. et al., 19.6-411
Vegetation effects on soil moisture
Rickard, W. H., 19.6-432
Vegetation influences on rainfall
Blake, G. J. et al., 19.6-410
Vegetation microclimatology
Intribus, R., 19.2-318
Vegetation types
Major, J., 19.7-466
Velocity–Azimuth Display (VAD)
Browning, K. A. et al., 19.3-60
Velocity field determination
Gopasiuk, S. I., 19.12-619
Velopause height
Bugaeva, I. V., 19.4-305; 19.8-393
Venus
Melbourne, W. G. et al., 19.10-663
Reese, D. E. et al., 19.10-680
Donahue, T. M., 19.12-592
Johnson, F. S., 19.12-595
Kliore, A. et al., 19.12-596
McElroy, M. B., 19.12-597
Venutian airglow
Barth, C. A. et al., 19.5-563
McElroy, M. B., 19.7-667
Goody, R. et al., 19.8-659
Venutian albedo
Irvine, W. M., 19.12-594
Venutian atmosphere
Moroz, V. I., 19.1-487

Pollack, J. B. et al., 19.2-499
Hunter, G. S., 19.5-565
Kliore, A. et al., 19.5-566
Strong, J., 19.5-569
Bartko, F. et al., 19.6-601
Hunten, D. M., 19.7-665
McElroy, M. B., 19.7-667
Mariner Stanford Group, 19.7-668
Sky and Telescope, 19.8-658
Anderson, A. D., 19.9-682
Serov, A., 19.10-684
Sobolev, V. V., 19.11-648
Prokof'ev, V. K., 19.12-599

Venutian atmosphere models
Hansen, J. E. et al., 19.5-564

Venutian atmospheric composition
Barth, C. A. et al., 19.5-563
White, S., 19.11-649
Owen, T., 19.12-598

Venutian environment
Van Allen, J. A. et al., 19.6-602

Venutian exploration
Hunter, G. S., 19.5-565
Snyder, C. W., 19.5-568
Strong, J., 19.5-569
Keene, G. T., 19.7-666
Serov, A., 19.10-684

Venutian ice caps
Libby, W. F., 19.10-683

Venutian infrared spectra
Hansen, J. E. et al., 19.12-593

Venutian ionosphere
Kliore, A. et al., 19.5-566
McElroy, M. B., 19.7-667
Mariner Stanford Group, 19.7-668
Stewart, R. W., 19.12-600

Venutian magnetic field
Van Allen, J. A. et al., 19.5-570; 19.6-602

Venutian probes
Hunter, G. S., 19.5-565
Strong, J., 19.5-569

Venutian radius
Ash, M. E. et al., 19.10-682

Venutian spectra
Moroz, V. I., 19.1-487
Owens, T., 19.5-567
Rea, D. G. et al., 19.7-669
Prokof'ev, V. K., 19.12-599

Venutian surface
Aleksandrov, Iu. N. et al., 19.5-552

Venutian surface temperature
Hansen, J. E. et al., 19.5-564

Venutian temperature
Sagan, C., 19.2-500
Sartor, J. D. et al., 19.3-368
Lebedinskii, A. I. et al., 19.3-557
Barth, C. A. et al., 19.5-563
Bartko, F. et al., 19.6-601
McElroy, M. B., 19.7-667

Venutian upper atmosphere composition
Barth, C. A. et al., 19.9-683

Vertical circulation of sea water
Belevich, R. R., 19.11-727

Vertical current theories
Skuratova, I. S. et al., 19.10-207

Vertical currents
Baryshevskaia, G. I., 19.11-726

Vertical diffusion
Kelenffy, S. et al., 19.8-230

Vertical diffusion in lakes
Csanady, G. T., 19.6-749

Vertical distribution of aerosols
Andreev, B. G., 19.2-134
Reiter, R. et al., 19.2-142
Makharashvili, A. Z., 19.6-224

Vertical distribution of equivalent potential temperature
LaSeur, N. E., 19.9-307

Vertical distribution of sea salt particles
Tanaka, M., 19.3-277

Vertical distribution of snow crystals
Lee, C. W. et al., 19.7-429

Vertical distribution of stratospheric aerosols
Rosen, J. M. et al., 19.1-154

Vertical exchange in ocean
Kowalik, Z., 19.10-743

Vertical flux of momentum
Priestley, C. H. B., 19.10-341

Vertical flux processes
Reiter, R. et al., 19.2-142

Vertical geographic zones
Borzenkova, I. I., 19.9-360

Vertical gradient of circulation index
Popov, A. K. et al., 19.10-166

Vertical heat transfer
Berggren, R. et al., 19.5-244

Vertical humidity distribution
Kuznetsova, M. A., 19.5-280

Vertical humidity distribution over ocean
Drozdov, O. A. et al., 19.1-274

Vertical–incidence ionosondes
Albee, P. R. et al., 19.9-571

Vertical ionospheric soundings
Golysheva, M. A. et al., 19.3-381
Zborovskaia, I. M., 19.3-404

Vertical jet streams
Lacaze, J., 19.10-390

Vertical mass flux
Barry, P. J., 19.6-327

Vertical motion
Tarakanov, G. G., 19.2-258
Lateef, M. A., 19.3-167
Donaldson, R. J., Jr. et al., 19.5-199
Lateef, M. A., 19.9-404

Vertical motion–air density relationships
Reshetov, V. D., 19.5-269

Vertical motion calculation
Besleaga, N. et al., 19.2-257
Reshetov, V. D., 19.5-269
Musaelian, Sh. A. et al., 19.6-135

Vertical motion effects on energy distribution
White, F. D., Jr. et al., 19.12-204

Vertical motion effects on geopotential variations
Gazzola, A. et al., 19.9-312

Vertical motion effects on heat balance
Kutzbach, G. et al., 19.12-262

Vertical motion effects on moisture
Hesstvedt, E., 19.9-471

Vertical motion effects on vertical ozone distribution
Kharchilava, D. F., 19.4-196

Vertical motion forecasting
Bachurina, A. A. et al., 19.5-147

Vertical motion in clouds
Ghosh, A. K. et al., 19.4-308

Vertical motion in stratosphere
Newell, R. E. et al., 19.11-422

Vertical motion in the ocean
Okubo, A., 19.4-656

Vertical motion in thunderstorms
Goldman, J. L., 19.7-294

Vertical motion measurement techniques
Hass, W. A. et al., 19.4-98
Battan, L. J. et al., 19.5-270
Kazakova, N. A. et al., 19.11-421

Vertical motion theories
Barry, P. J. et al., 19.10-35

Vertical ozone distribution
Bojkov, R. D., 19.2-151
Karney, J. L. et al., 19.4-77
Kharchilava, D. F., 19.4-19
Kekawska, M., 19.4-197
Lea, D. A., 19.7-218
Dobson, G. M. B., 19.8-262
Nagata, T. et al., 19.8-264
Lovill, J. E., 19.8-265
Dziewulska-Losiowa, A., 19.9-287

Vertical ozone distribution measurement techniques
Morrissey, E. G., 19.6-157
Brewer, A. W., 19.8-261

Vertical ozone distribution measurements
Hering, W. S. et al., 19.7-24

Brewer, A. W., 19.8-261
Vertical ozone transport
Lovill, J. E., 19.8-265
Vertical precipitation distribution
Pogosian, Kh. P. et al., 19.3-298
Vertical profile of particle charges
Wishart, E. R. et al., 19.12-458
Vertical radioactivity of atmosphere distribution
Meszaros, E. et al., 19.1-167
Vertical radon distribution
Nguyen, B. C. et al., 19.5-181
Vertical shear
Williams, D. T., 19.10-351
Vertical structure of the atmosphere
Belov, V. F. et al., 19.2-146
Vertical temperature distribution
Otruba, J., 19.5-231
Riazanova, L. A. et al., 19.12-267
Breaker, L. C. et al., 19.12-731
Vertical temperature gradient effects on distance measurements
Stahl, W., 19.7-248
Vertical temperature gradient near ground
Darie, Z. et al., 19.12-252
Vertical temperature gradient variations
Bordovskaia, L. I., 19.7-259
Hastenrath, S., 19.9-399
Vertical temperature variation–β activity relationships
Israelsson, S., 19.12-162
Vertical thermal gradient–precipitation formation relationships
Lewinska, J., 19.10-431
Vertical transfer of momentum
Mitsuta, Y., 19.10-241
Vertical turbulence component
Pasquill, F., 19.2-235
Vertical turbulent exchange in reservoirs
Speranskaia, A. A., 19.2-594; 19.7-810
Vertical turbulent exchange in sea
Bubnov, V. A., 19.4-655
Vertical velocities
Tarakanov, G. G., 19.2-258
Vertical velocities in clouds
Battan, L. J. et al., 19.5-270
Vertical velocity calculations
Anis'kina, M. I., 19.3-247
Galakhova, T. A., 19.3-248
Strizhevskii, L. N., 19.3-249
Williams, D. T., 19.10-351
Haman, K., 19.11-187
Kazakova, N. A. et al., 19.11-421
Vertical velocity computation
Cohen, S. H. et al., 19.9-216
Vertical velocity fluctuation measurement techniques
Cermak, J. E. et al., 19.6-320
Vertical velocity fluctuations
Newell, R. E. et al., 19.11-422
Vertical velocity of convection
Orlova, E. M., 19.9-314
Vertical water temperatures
Cairns, J. L., 19.9-776
Vertical water vapor distribution
Mastenbrook, H. J., 19.7-366
Vertical wind components
Baynton, H. W., 19.4-72
Vertical wind distribution
Kawanabe, Y., 19.10-371
Vertical wind fields
Pastushkov, R. S. et al., 19.11-423
Vertical wind profiles
Orendi, K., 19.12-297
Vertical wind shear calculations
Narovlianskii, G. Ia. et al., 19.9-451
Vertical wind shear effects on convection
Pastushkov, R. S. et al., 19.3-253
Vertical wind velocity spectra
Cagnetti, P., 19.9-465
Very low frequency, *see* **VLF as acronym**
VHF, *see* **VHF as acronym**
Vibrotron pressure transducer
Lefcort, M. C., 19.10-138
Rolfe, R. C., 19.10-139
Virus diseases
Broadbent, L., 19.7-59
Viscous laminar flow
Willmarth, W. W. et al., 19.10-352
Visibility at sea
Shekhtman, A. N. et al., 19.9-549
Visibility conditions
Titov, V. I., 19.9-550
Visibility data
Shekhtman, A. N. et al., 19.9-549
Visibility distribution
Titov, V. I., 19.9-550
Visibility forecasting
Bryan, J. G. et al., 19.7-178
Visibility forecasts
Newhouse, B. J., 19.11-204
Visibility frequencies
Maine, R., 19.10-486
Visibility from airplanes
Silverman, S. M. et al., 19.4-31
Olbers, W., 19.6-455
Visibility in fog
Calif. Div. of Highways, 19.9-14
Visibility in urban areas
Buchan, W. E. et al., 19.10-485
Visibility in water
Busby, R. F., 19.3-635
Kinney, J. A. S. et al., 19.3-636
Visibility measurement techniques
Brown, R. T., Jr., 19.8-88
Visibility measuring devices
Vogt, H., 19.12-97
Visibility meter accuracy
Savikovskii, I. A., 19.9-202
Visibility near sunrise
Newhouse, B. J., 19.11-204
Visibility of colors underwater
Kinney, J. A. S. et al., 19.3-636
Visibility of water
Hemmings, C. C., 19.2-547
Visual observation of auroras
Schroeder, W., 19.1-401
Moiseev, B. S., 19.3-410
Visual observation of comets
Beyer, M., 19.2-503
Visual observation of meteors
Porubcan, V., 19.3-574
Neale, M. J., 19.5-580
Visual observation of noctilucent clouds
Dietze, G., 19.10-491
Visual observations
Dmitrenko, V. P. et al., 19.9-147
Visual range
Pueschel, R. F. et al., 19.3-141
Fett, W., 19.11-264
Visual range measurements
Finch, D. M. et al., 19.10-484
"Vitiaz" expeditions
Kort, V. G., 19.2-528
VLF, *see* **VLF as acronym**
Volcanic activity
Oxburgh, E. R. et al., 19.12-736
Volcanic activity on coastal sediments
Pavlidis, I. A., 19.11-23
Volcanic dust
Matsushima, S., 19.9-264
Volz, F. E., 19.12-238
Volcanic dust effects on Antarctic ice cap darkening
Lamb, H. H., 19.12-229
Volcanic dust effects on solar radiation
Budyko, M. I. et al., 19.9-361

F1

Flowers, E. C. et al., 19.12-226
Volcanic dust studies
Lamb, H. H., 19.12-229
Volcanic eruption, Mt. Agung (1963)
Matsushima, S., 19.9-264
Volcanic eruption effects on atmospheric electricity
Blanchard, D. C. et al., 19.5-379
Volcanic eruption effects on climate
Von Rudloff, H., 19.7-275
Volcano deposits on lunar surface
Lipskii, Iu. N. et al., 19.11-638
Vortex dynamics
Ooyama, K., 19.2-154
Vortex streets
Hunt, J. N. et al., 19.2-159
Vortexes in planetary boundary layer
Angell, J. K. et al., 19.10-231
Vorticity
Lateef, M. A., 19.3-167
Vorticity advection
Kozhevnikov, V. N., 19.7-359
Vorticity analysis
Rackliff, P. G., 19.11-595
Vorticity development
Kao, S. K., 19.10-238
Vorticity energy
Angell, J. K. et al., 19.10-231
Vorticity equations
Bye, J. A. T., 19.4-651
Vorticity experiments
Kao, S. K., 19.10-238
Tillmann, W., 19.10-348
Vorticity measurement techniques
Mitsuta, Y., 19.3-160
Vorticity sources in thunderstorm
Barnes, S. L., 19.12-215
Vulpecula
Drake, F. D., 19.10-665

W

WDCA, Washington, D.C.
WDCA, Wash., D.C., 19.3-608
WDC oceanographic data
Richmond, B. S., 19.11-690
WMO activities
World Meteorological Organization. Regional Assoc. I (Africa), 19.5-23
WMO Aeronautical Meteorology Commission
Dwyer, W. A., 19.9-83
WMO conferences
WMO Technical Conference on Automatic Weather Stations, Geneva, 1966, 19.4-7
WMO Instruments and Methods of Observation Commission
World Meteorological Organization. Com. for Instruments & Methods of Obs., 19.11-150
WMO Regional Association I, Africa
World Meteorological Organization. Regional Assoc. I (Africa), 19.5-23
WMO Regional Association III, South America
WMO. Regional Assoc. III (So. Am.), 19.9-53
WMO reports
WMO. Regional Assoc. III (So. Am.), 19.9-53
WMO resolutions
World Meteorological Organization. Regional Assoc. I (Africa), 19.5-23
WMO. Regional Assoc. III (So. Am.), 19.9-53
WWW, *see* World Weather Watch
Warm cloud rain formation
Berry, E. X., 19.11-448
Peterman, W. A., 19.11-449
Warm currents distribution
Georgiev, Iu. S., 19.10-740
Warm fog
Pilie, R. J. et al., 19.11-225
Warming trends
Davitaia, F. F., 19.5-169
Washout
Starr, J. R., 19.4-364
Water
Raikes, R., 19.6-14
Water balance
Keller, R., 19.5-10
Thornthwaite, C. W., Assoc., Lab. of Clim., Elmer, N.J., 19.6-287
Ivanenko, A. G. et al., 19.11-801
Water balance, Moldavian S.S.R.
Zhelezniak, I. A. et al., 19.3-351
Water balance, Ukrainian S.S.R.
Zhelezniak, I. A. et al., 19.3-351
Water balance analysis
L'vovich, M. I., 19.10-413
Water balance calculations
Filotti, A. et al., 19.7-361
Bulavko, A. G., 19.7-796
Dordea, A. et al., 19.10-412
Kulik, V. Ia., 19.11-808
Water balance data
Orr, H. K., 19.9-872
Water balance equation
Ward, R. C., 19.9-816
Water balance methods
Tanner, C. B., 19.7-98
Konstantinov, A. R., 19.9-121
Water balance of arid zones
Wallen, C. C., 19.2-320
Water balance of Carpathian Basin, Hungary
Szepesi, A., 19.2-597
Water balance of flood plains
Myshinskii, S. A. et al., 19.1-600
Shpak, I. S. et al., 19.2-613
Water balance of lakes
Zamanov, Kh. D., 19.3-694
Mikulski, Z. et al., 19.6-753
Mikulski, Z., 19.7-788
Malinina, T. I., 19.8-771
Water balance of reservoirs
Levkovskii, S. S., 19.4-318
Shtein, D. B., 19.5-283
Kolkutin, V. I., 19.6-781
Zaitseva, E. A., 19.6-790
Water balance of rice fields
Maruyama, E., 19.11-87
Water balance of river basins
Vol'ftsun, I. B., 19.2-598
Popov, O. V., 19.2-609
Water balance of river catchments
Bulavko, A. G., 19.7-796
Water balance of rivers
Markova, O. L., 19.7-798; 19.10-783
Water balance of seas
Smirnova, K. I. et al., 19.11-202
Water balance of snow cover
Deleur, M. S., 19.9-514
Water balance of soil
Kharchenko, S. I., 19.9-870
Water balance of Ukrainian S.S.R.
Sakali, L. I. et al., 19.2-186
Water balance profiles
Armstrong, C. F. et al., 19.1-278
Water budget
Kirwald, E., 19.2-261
Water budget calculations
Palmen, E., 19.9-815
Water conservation
Ichikawa, M., 19.1-36
Ahmad, N., 19.3-724
Petersen, R. T., 19.11-792
Water conservation–food production relationships
Landsberg, H. E., 19.10-466
Water content distribution
Scott, W. T., 19.2-276
Water content in frozen soils
Williams, P. J., 19.8-800
Water content of air
Robinson, G. D., 19.10-219

ater content of air measure- ents
  Naumov, A. P., 19.12-309
ater content of cloud determi- ation
  Goral', G. G., 19.9-501
ater content of cloud measure- ent techniques
  Squires, P., 19.3-75
  Spyers-Duran, P. A., 19.12-313
ater content of clouds
  Dubrovina, L. S., 19.7-386, 387
ater content of frontal clouds
  Dubrovina, L. S., 19.7-386
ater content of plant measure- ent
  Slatyer, R. O. et al., 19.7-97
ater content of snow
  Ambach, W. et al., 19.3-322
  Sosedov, I. S., 19.10-7
  Thomson, A. B., 19.11-476
ater content of snow cover struments
  Beaumont, R. T., 19.3-351; 19.5-133
ater content of snow estima- on
  Glazyrin, G. E. et al., 19.4-352
ater current meter rating
  Uppal, H. L. et al., 19.5-633
ater deficit
  Stoenescu, St. M. et al., 19.12-307
ater discharge calculations
  Zmieva, E. S., 19.9-831
  Lebedev, V. V., 19.9-860
  Levin, A. G., 19.11-207
ater discharge forecasting
  Subbotin, A. I., 19.9-243
ater discharge into reservoirs
  Zmieva, E. S., 19.9-831
ater discharge measurement chniques
  Drozdov, V. N., 19.9-838
ater discharge through water annel
  Lebedev, V. V., 19.9-860
ater drop collisions
  Adam, J. R. et al., 19.12-322
ater drop disintegration
  Ausman, E. L. et al., 19.5-285
ater drop distortion
  Ausman, E. L. et al., 19.5-285
ater droplet freezing
  Medaliev, Kh. Kh. et al., 19.7-380
ater erosion
  Mech, S. J. et al., 19.8-780
ater exchange, Atlantic/Medi- rranean
  Boeyum, G., 19.7-744
Water exchange, Baltic/North Sea
  Lisitzin, E., 19.10-720
  Piechura, J., 19.10-744
Water exchange, Barents Sea/Norwegian Sea
  Kudlo, B. P., 19.4-661
Water exchange, Caribbean Sea/Atlantic Ocean
  Sukhovei, V. F. et al., 19.12-720
Water exchange, East Siberian Sea/Chuckchee Sea
  Gorbunov, Iu. A., 19.4-659
Water exchange, Mediterranean/Adriatic
  Bogdanova, A. K. et al., 19.9-767
Water exchange, Mediterranean/Black Sea
  Bogdanova, A. K. et al., 19.9-778
Water exchange in estuaries
  Barber, F. G., 19.9-800
Water flow volume determination
  Michalczewski, M., 19.9-123
Water legislation
  McDaniels, L. L., 19.8-409
Water level measurement techniques
  Karasev, I. F. et al., 19.3-680
Water level measurements
  Price, D., 19.8-783
Water level recorders
  Pitsyk, I. V., 19.6-784
Water level–river runoff relationships
  Karasev, I. F. et al., 19.3-680
Water level variations
  Tlenbekov, O. K., 19.9-841
Water management
  Panfilov, D. P., 19.5-770
  Barger, G. L., 19.11-455
  Clark, R. D., 19.11-456
  Young, G. K., 19.11-796
  Barksdale, H. C., 19.12-370
  Anderson, H. W., 19.12-392
  Dixey, F., 19.12-779
Water mass formation
  Paranichev, L. G. et al., 19.6-676
Water mass temperatures
  Ivanov, V. M., 19.4-660
Water masses analysis
  Hartley, R. P. et al., 19.7-793
Water on Moon
  Urey, H. C., 19.7-663
  Firsoff, V. A., 19.8-651
Water pollution
  Tarasov, M. N., 19.4-741
  Hoover, S. R. et al., 19.6-206
  Powers, C. F. et al., 19.6-754
Water pollution by suspended material
  Van Wyckhouse, R. J., 19.12-797
Water pollution control
  Chiriac, V., 19.8-723
Water quality
  Kunkle, S. H. et al., 19.2-599
  Sturges, D. L., 19.3-705
  Hughes, L. S. et al., 19.5-762
  Siple, G. E., 19.5-763
  Barger, G. L., 19.11-455
Water requirements of plants
  Ad-Nedjim, M., 19.1-50
Water resources
  Zhelezniak, I. A. et al., 19.3-351
  Johnson, A. I., 19.3-713
  Block, P., 19.9-644
  Newcombe, R., Jr. et al., 19.11-14
  Selected Water Resources Abstracts, 19.11-58
  Philbrick, A. K., 19.12-783
Water resources conferences
  Kneese, A. V. et al., 19.10-14
Water resources development
  Kahan, A. M., 19.6-188
  Feth, J. H. et al., 19.6-805
  Yevdjevich, V., 19.7-782
  U. S. Office of Atmos. Water Resources, 19.8-197
  Blaney, H. F. et al., 19.8-401
  McCarthy, G. T. et al., 19.8-784
  Zanker, K., 19.9-812
Water resources development projects
  Tennessee Valley Authority. Div. of Navigation Development, 19.5-771
  Simpson, R. W., 19.12-793
Water resources management
  Ichikawa, M., 19.1-36
  Nace, R. L., 19.3-714
  Bruce, J. P. et al., 19.7-34
  Kneese, A. V. et al., 19.10-14
Water resources planning
  Internatl. Hydro. Decade, Czech. Natl. Comm., 19.11-35
  Reedy, W. W. et al., 19.11-244
  Stinson, J. R., 19.11-251
  Hall, W. A. et al., 19.11-795
Water resources survey
  Petersen, R. T., 19.11-792
  U. S. Soil Conservation Serv., Wash., D.C., 19.11-793
Water resources survey program
  Glenn, J. W., 19.10-29
Water salinity variations
  Steyaert, M., 19.5-623
Water supply
  McMaster, W. M., 19.3-676
  Nace, R. L., 19.3-714

Siple, G. E., 19.5-763
Barger, G. L., 19.11-455
Clark, R. D., 19.11-456
U. S. Soil conservation Serv., Wash., D.C., 19.11-793
Dixey, F., 19.12-779

Water supply calculation
Schenk, E., 19.5-766

Water supply economy
Philbrick, A. K., 19.12-783

Water supply forecasting
Malsor, R. E., 19.8-182
Chopra, S. D. et al., 19.8-185
Theisen, R. J., 19.8-193

Water supply from atmospheric vapor
Gerard, R. D. et al., 19.4-325

Water supply from precipitation
Howe, E. D., 19.2-193
Vol'ftsun, I. B., 19.2-304
Burgy, R. H. et al., 19.7-812

Water supply from rivers
Ceeen, K., 19.5-773

Water supply problems
Wheeler, F., 19.7-811

Water supply prospecting
Accerboni, E. et al., 19.7-823

Water supply studies
Kahan, A. M., 19.7-824
Riesbol, H. S., 19.7-826

Water supply survey
Hickman, K., 19.6-735
Stinson, J. R., 19.8-196
McCarthy, G. T. et al., 19.8-784

Water surface–atmospheric layer relationships
Byshev, V. I., 19.7-316

Water surface temperature measurement techniques
Malevskii-Malevich, S. P., 19.1-99

Water surplus and deficit concepts
Eyre, L. A., 19.12-439

Water table variations
Bloemen, G. W., 19.7-814
Wallace, D. E. et al., 19.10-786

Water transfer sea-atmosphere
Charnock, H., 19.10-749

Water turbidity
Branski, J., 19.8-756

Water turbulence measurement techniques
Richardson, E. V. et al., 19.8-758

Water use by plants
Joint FAO/IAEA Div. of Atomic Energy in Food and Agric., 19.8-407
Fried, M. et al., 19.9-814

Water utilization
Nace, R. L., 19.3-714

Water vapor absorption bands
Kiseleva, M. S. et al., 19.8-333
Drayson, S. R. et al., 19.8-336
Gebbie, H. A. et al., 19.8-338

Water vapor absorption spectra
Golubitskii, B. M. et al., 19.10-395

Water vapor amount in atmosphere
Vasil'chenko, N. V. et al., 19.1-213

Water vapor content in stratosphere
Smith, R. M., 19.12-315

Water vapor conversion to ice
Berg, T. G. O. et al., 19.9-490

Water vapor density measurements
Thompson, M. C., Jr., 19.9-126

Water vapor diffusion through snow cover
Morozov, G. A., 19.3-315

Water vapor distribution in stratosphere
Kondrat'ev, K. Ia. et al., 19.9-279

Water vapor energy levels
Dobbins, D. L. et al., 19.12-308

Water vapor flux
Priestley, C. H. B., 19.3-179
Barry, R. G., 19.4-311
Hoegstroem, U., 19.6-159
Smith, R. M., 19.12-315

Water vapor forecasting
Reap, R. M., 19.12-120

Water vapor in atmosphere
Pybus, E. J. et al., 19.12-311
Robinson, E. et al., 19.12-312
Owen, T., 19.12-598

Water vapor in mesosphere
Kravchenko, I. M. et al., 19.5-367
Hesstvedt, E., 19.8-471

Water vapor in middle atmosphere
Leovy, C. B., 19.9-310

Water vapor in stratosphere
Zander, R. et al., 19.4-313
Fedynskii, A. V., 19.9-136

Water vapor in Venutian atmosphere
Owen, T., 19.5-567

Water vapor measurement techniques
Fedynskii, A. V., 19.9-136
Quenzel, H., 19.11-113
Iuskeselieva, L., 19.11-425

Water vapor profile measurement techniques
Dunckel, M., 19.1-68

Water vapor spectrum
Echigo, R. et al., 19.5-277
Benedict, W. S. et al., 19.6-359

Water vapor transfer
Prausnitz, J. M. et al., 19.7-265

Water vapor transfer–atmospheric stability correlations
Hoegstroem, U., 19.10-235

Water vapor transport
Ludlam, F. H., 19.1-132
Hsu, S. Y., 19.2-262

Water vapor variations
Barry, R. G., 19.4-311
Levin, L. M. et al., 19.5-278

Water wave diffraction
Sebekin, B. I., 19.1-573

Water wave models
Le Mehaute, B., 19.6-645

Water waves
Witham, G. B., 19.3-658

Water year runoff forecasting
Theisen, R. J., 19.8-193

Watershed hydrology
Julian, R. W. et al., 19.3-352
Chow, V. T., 19.4-334
Harbaugh, T. E. et al., 19.4-337
Kohnke, R. E., 19.5-768
Wiser, E. H., 19.5-769
Roche, M., 19.6-392
Banerji, S. et al., 19.6-768
Diaz, G. et al., 19.7-396
Vodogretskii, V. E., 19.9-847
Drissel, J. C. et al., 19.9-858
Huggins, L. F. et al., 19.11-797
Rothacher, J. et al., 19.11-798

Watershed hydrometeorology
Storr, D., 19.6-792

Watershed management
Burgy, R. H. et al., 19.7-812
Wallace, D. E. et al., 19.10-786

Watershed precipitation determination
Storr, D., 19.6-792

Watershed precipitation–runoff compilations
Dickinson, W. T. et al., 19.3-287

Watershed precipitations
Mitchell, J. K., 19.10-414

Watershed research methods
Chow, V. T., 19.4-334

Watershed runoff
Julian, R. W. et al., 19.3-352
Osborn, H. B. et al., 19.7-410
Huggins, L. F. et al., 19.11-797
Crawford, N. H., 19.12-351

Waterspout formation
Diubiuk, A. F. et al., 19.4-235

Waterspout observations
Golden, J. H., 19.8-309

Waterspout occurrence
Gerrish, H. P., 19.9-346

Waterspouts
  Ludlum, D. M., 19.2-179
  Woodley, W. L. et al., 19.3-197
  Gerrish, H. P., 19.3-292
  Diubiuk, A. F. et al., 19.4-235
  Hodge, W. T., 19.6-275
  Shimada, M., 19.9-348
Wave aberration variance
  King, W. B., 19.8-157
Wave analysis
  Shuleikin, V. V., 19.12-712
Wave attenuation
  Keller, J. B., 19.5-60
Wave damping
  Ertel, H., 19.11-740
  Kato, J. et al., 19.12-743
Wave effects on sea water intrusion
  Dyer, K. L. et al., 19.7-751
Wave field forecasting
  Abuziarov, Z. K., 19.11-203
Wave force calculation techniques
  Brown, L. J. et al., 19.4-693
Wave force on piles
  Lappo, D. D. et al., 19.6-688
Wave height calculation
  Jacobs, S. J., 19.6-744
  Karakash, A. I. et al., 19.7-165
Wave height distribution calculation
  Ploeg, J., 19.3-686
Wave interaction
  Hasselmann, K., 19.3-240
  Nesterov, S. V., 19.4-687
  Longuet-Higgins, M. S. et al., 19.5-658
Wave motion
  Rulf, B., 19.6-561
  Bourodimos, E. L., 19.10-754
Wave motion in channels
  Gradowczyk, M. H., 19.12-796
Wave motion in noctilucent clouds
  Trubnikov, B. N., 19.5-370
Wave motion in the atmosphere
  Higgins, B. J., 19.11-325
Wave observations
  Morozov, V. M. et al., 19.12-681
Wave propagation in fluids
  McGoldrick, L. F., 19.12-169
Wave propagation theories
  McGoldrick, L. F., 19.12-169
Wave recording stations
  Ploeg, J., 19.3-686
Wave stability
  Benjamin, T. B., 19.3-655
Wave tanks
  Le Mehaute, B., 19.6-645
Wave theories
  Whitham, G. B., 19.3-658
  Shuleikin, V. V., 19.12-712
Wave velocities
  Keller, J. B., 19.5-60
Wavelength filters
  Zurflueh, E. G., 19.7-166
Waves in the easterlies
  Riehl, H., 19.3-180
Waves in the westerlies
  Bishop, B. B., 19.9-416
Weather and agriculture
  Shaw, L. H., 19.8-462
Weather and epidemics
  Donle, W., 19.6-78
Weather and man
  Sewell, W. R. D., 19.10-181
Weather broadcasting
  Dodson, E. B., 19.12-103
  Hungerford, A., 19.12-104
  King, J., 19.12-105
  Leep, R., 19.12-106
  McGlening, K., 19.12-107
  Pearson, A. D., 19.12-137
Weather clutter
  Herget, W. F. et al., 19.10-155
Weather conditions
  Booth, R. E., 19.10-105
  Brochet, P., 19.11-478
Weather control
  O'Connor, J. F., 19.12-102
Weather control legislation
  Taubenfeld, H. J. et al., 19.11-218
Weather cycles
  Wright, P. B., 19.9-269
Weather damage services
  Hong Kong. Royal Observatory, 19.8-313
Weather damage to vegetation
  Rodewald, M., 19.1-199
Weather disasters
  Hong Kong. Royal Observatory, 19.8-313
Weather effects on aerosol size distribution
  Carnuth, W., 19.8-223
Weather effects on animal life
  Henshaw, J., 19.11-507
Weather effects on atmospheric pollution
  Georgii, H. W. et al., 19.6-202
  Grasnick, K. H., 19.6-203
  Bourelly, T., 19.8-222
  Zenin, M. T. et al., 19.10-198
  Brown, M. J. et al., 19.11-262
Weather effects on buckwheat yield
  Kozhemiachenko, E. A., 19.2-54
Weather effects on building construction
  Tsvid, A. A., 19.12-47
Weather effects on cattle dis[illegible]
  Ollerenshaw, C. B., 19.7-72
  Nature, London, 19.11-89
Weather effects on churchgoing
  Mazzarella, D. A., 19.6-449
Weather effects on corn yield
  Helsabeck, H. C., 19.8-443
Weather effects on cotton harvests
  Bilbro, J. D., Jr., 19.11-354
Weather effects on crime
  Miller, W. H., 19.9-452
Weather effects on crop yield
  Taylor, J. A., 19.7-467
Weather effects on crops
  Zheltaia, N. N., 19.4-45
  Turmanidze, T. I., 19.4-368
Weather effects on daylight illumination
  Popovics, M., 19.6-453
Weather effects on diseases
  Donle, W., 19.6-78
  Serban, A. L. et al., 19.11-91
  Ivanovici, H. et al., 19.11-95
Weather effects on fertilizer effectiveness
  Khomiakov, V. N., 19.4-37
Weather effects on fishing
  Sharma, G. S., 19.4-165
Weather effects on forest fire
  Wright, J. G., 19.10-60
Weather effects on forest vegetation
  Dagon, R. R., 19.9-105
Weather effects on glaciers
  Hoinkes, H. C., 19.7-773
Weather effects on grass conservation
  Warboys, I. B., 19.7-443
Weather effects on harvesting
  De Wiljes, H. G. et al., 19.9-94
Weather effects on herbicidal efficiency
  Fee, R., 19.9-99
Weather effects on ice formation
  Doronin, Iu. P. et al., 19.2-578
Weather effects on industry
  Schienbein, S., 19.11-4
Weather effects on insects
  Rhoades, W. C. et al., 19.1-328
Weather effects on livestock
  Rutter, N., 19.11-494
Weather effects on milk production
  Chambers, R. E., 19.7-62
Weather effects on plant dis[illegible]
  Broadbent, L., 19.7-59
  Hogg, W. H., 19.7-60
Weather effects on potato blight
  Grainger, J., 19.7-184
Weather effects on radar measurements
  Mozzhukhin, O. A., 19.10-215
Weather effects on radiation
  Rakipova, L. R., 19.1-218

Quinn, W. H. et al., 19.3-199
Weather effects on radio wave propagation
Anastassiades, M. et al., 19.2-60
Weather effects on sea
Bennett, C. M., 19.5-663
Weather effects on sea level
Prival'skii, V. E., 19.12-687
Weather effects on ship navigation
Verploegh, G., 19.10-67
Weather effects on sugar beet growth
Mikhailova, N. I., 19.9-102
Weather effects on supersonic flights
De Champaux, –, 19.9-81
Weather effects on surgical operations
Beran, V., 19.6-79
Weather effects on tropospheric radio propagation
Riggs, L. P. et al., 19.7-285
Weather effects on water masses structure
Gostan, J., 19.3-654
Weather effects on winter wheat
Varga-Haszonits, Z., 19.12-45
Weather–farm management relationships
Duckham, A. N., 19.7-53
Weather forecasting
Sawyer, J. S., 19.5-141
Stanford Univ. School of Engineering, Stanford, Calif., 19.5-156
Dady, G., 19.6-160
Vaeisaelae, V., 19.6-161
Watts, A., 19.8-33
Khromov, S. P., 19.8-47
Mahr, J., 19.12-101
O'Connor, J. F., 19.12-102
Bodolai, E., 19.12-114
Weather forecasting from clouds
Watts, A., 19.9-41
Weather forecasting glossaries
Ivanov, K. A., 19.7-48
Weather lore
Korejs, Z., 19.10-185
Brazell, J. H., 19.12-3
Weather modification
Kessler, E., 19.1-13
Carr, J. T., Jr., 19.1-127
Sargent, F., II, 19.1-128
Malone, T. F., 19.2-122
Fletcher, J. E., 19.2-123
Malacy, D. S., Jr., 19.3-12
Zikeev, N. T. et al., 19.3-29
Dominick, P., 19.3-133
Betts, S. W., 19.5-157
Shaw, R. H., 19.7-23
Blanc, M. L., 19.7-193
Court, A., 19.7-194
Yevdjevich, V. M., 19.7-199
Battan, L. J. et al., 19.7-201
Mueller, H. G., 19.7-215
Fletcher, J. E., 19.8-195
Howell, W. E., 19.8-199
Gaivoronskii, I. I. et al., 19.9-246
Kocmond, W. C., 19.9-247
Hitschfeld, W., 19.9-248
Koscielski, A. et al., 19.9-249
Schleusener, R. A., 19.9-250
Zanker, K., 19.9-812
Sewell, W. R. D., 19.10-181
Schaefer, V. J., 19.11-209
Crutchfield, J. A., 19.11-212
Haas, J. E., 19.11-214
Hendrick, R. L., 19.11-215
MacDonald, G. J. F., 19.11-216
Weather modification and the biosphere
Sargent, F., II, 19.11-217
Weather modification conferences
Berkeley Symposium on Mathematical Statistics and Probability, 5th, Berkeley, Calif., 19.7-12
Natl. Conf. on Weather Modification, 1st, Albany, N.Y., Apr. 28-May 1, 1968, 19.11-29
Stinson, J. R., 19.11-251
Stinson, P. J., 19.11-252
Weather modification effects on microclimate
Marlatt, W. E., 19.7-196
Weather modification effects on natural communities
Whittaker, R. H., 19.7-198
Weather modification effects on precipitation
Washichek, J. N. et al., 19.8-198
Weather modification effects on water resources
Kahan, A. M., 19.6-188
Reedy, W. W. et al., 19.11-244
Weather modification experiments
Davis, L. G. et al., 19.7-195
Simmons, J. N. et al., 19.11-210
Weather modification–forest fire relationships
Fuquay, D. M., 19.7-209
Weather modification programs
Newell, H. E., 19.9-62
Weather modification projects
Kahan, A. M., 19.8-200
Appleman, H. S., 19.11-211
Weather modification research
Schleusener, R. A. et al., 19.7-197
U. S. Office of Atmos. Water Resources, 19.8-197
MacDonald, G. J. F., 19.8-201
Am. Met. Soc., 19.9-244
Baum, W. A., 19.9-245
Weather modification studies
Stinson, J. R., 19.8-196
Weather of 1967
Booth, R. E., 19.10-105
Weather radar
Benton, D., 19.1-110
U. S. Office of Federal Coordinator for Meteorological Services and Supporting Research, 19.4-81
Paulsen, W. H., 19.10-149
Lhermitte, R. M., 19.12-67
Weather radar data
Wilk, K. E. et al., 19.10-93
Weather reports
Van Loon, H. et al., 19.9-660
Weather satellites
Spohn, C. A., 19.9-656
Nature, London, 1968, 19.10-126
Cormier, R. V. et al., 19.11-30
Weather Service, Federal Republic of Germany
Germany (Federal Republic). Deutscher Wetterdienst, 19.3-17
Weather service forecasting systems
Johns, P., 19.9-60
Weather ship aerological stations
Vasil'chenko, I. V. et al., 19.8-101
Weather singularities
U. S. Fed. Aviation Adm. Acad., 19.12-24
Weather situations
Krska, K., 19.7-177
Weather summaries
Andrews, J. F., 19.9-152
Hisdal, V., 19.10-101
Brazell, J. H., 19.12-3
Weather type classification
Czechoslovakia. Hydrometeorologicky Ustav, 19.11-182
Weather type frequencies
Petkovsek, Z., 19.2-321
Weather types
Fliri, F. et al., 19.5-200
Weather-working hours
De Wiljes, H. G. et al., 19.9-94
Weathering
Prebble, M. M., 19.7-762
Weathership data
Netherlands. Met. Inst., 19.7-119
Wegener's theory
Takeuchi, H. et al., 19.11-26
Weichselian glaciation
Poole, E. G., 19.2-592
Weighting function matrix
Lenoir, W. B., 19.3-145

Weirs
Nutter, W. L. et al., 19.12-791
Well recharge
De Wiest, R. J. M., 19.3-711
Papadopulos, I. S., 19.7-822
Westerly circulation
Tsuchiya, I., 19.9-547
Westerly waves
Changraney, T. G., 19.7-842
Wet spell forecasting
Ratcliffe, R. A. S. et al., 19.5-150
Wheat field microclimatology
Saito, T., 19.5-49
Wheat yield
Kirilicheva, K. V., 19.4-39
Baier, W. et al., 19.10-54
Whirlwinds
Lacy, R. E., 19.8-310
Whiskers in solar disk
Koval', A. N., 19.12-654
Whistler analysis
Iaaspere, T. et al., 19.7-489
Kiselev, Iu. V. et al., 19.7-491
Jiricek, F. et al., 19.10-506
Whistler attenuation
Burman, R., 19.7-487
Whistler cutoff
Bauer, S. J. et al., 19.8-490
Carpenter, D. L. et al., 19.9-569
Carpenter, D. L., 19.10-505
Whistler dispersions
Jiricek, F. et al., 19.1-360
Whistler electromagnetic structure
Delloue, J. et al., 19.1-354
Whistler generation
Iaaspere, T. et al., 19.7-489
Scarf, F. L. et al., 19.7-490
Whistler investigations of magnetosphere
Molchanov, O. A., 19.2-460
Helliwell, R. A., 19.4-551
Bouriot, M. et al., 19.10-627
Whistler measurements
Jiricek, F. et al., 19.1-360
Whistler mode propagation
Hsieh, H. C., 19.6-472
Internatl. Radio Consult. Comm., 19.9-587
Carpenter, D. L., 19.10-505
Whistler propagation
Delloue, J. et al., 19.1-354; 19.3-148
Burman, R., 19.7-487
Rycroft, M. J., 19.10-129
Jones, D. L., 19.10-507
Somayajulu, V. V. et al., 19.11-522
Corcuff, P., 19.12-460
Rydbeck, O. E. H., 19.12-461
Whistler research
Smith, R. L. et al., 19.3-373
Whistler–solar activity relationships
Corcuff, Y. et al., 19.1-353
Whistler variations
Corcuff, Y. et al., 19.1-353
Whistlers in ionosphere
Aubry, M. P., 19.10-511
Whitecaps
Monahan, E. C., 19.10-385
Whiten, A. J.
Weather, London, 19.10-42
Whole-sky mirror
Bradbury, D. L. et al., 19.11-443
Wind analysis
Williams, D. T., 19.10-351
Wind anomalies
Cooley, J. R., 19.1-210
Wind at sea
Kitaigorodskii, S. A., 19.11-378
Wind calculations
Cehak, K. et al., 19.12-284
Wind calculations at sea
Sorkina, A. I., 19.4-293, 294
Wind components
Olberg, M., 19.6-244
Wind conditions in Caransebes, Rumania
Runcanu, T., 19.4-292
Wind conditions over Central American seas
Hastenrath, S. L., 19.12-268
Wind correlation calculations
Daniels, G. E. et al., 19.9-315
Wind damage prevention
Johns, D. J. et al., 19.12-292
Moss, G. M., 19.12-295
Wind damage to buildings
Bayley, M. J., 19.11-405
Page, J. K., 19.12-298
Wind damage to chimneys
Griffiths, R., 19.12-290
Wind damage to forests
Rak, J., 19.10-366
Stoica, C. et al., 19.11-400
Wind damage to plants
Grainger, J., 19.9-96
Wind data
Henry, R. M. et al., 19.9-425
Cochrane, J. A. et al., 19.9-430
Manning, J. C. et al., 19.9-461
Richter, J., 19.11-127
Wind data analysis
Mitsuta, Y., 19.3-48
Sorkina, A. I., 19.4-294
Gruber, A. et al., 19.8-374
Guterman, I. G. et al., 19.11-377
Stoenescu, St. M. et al., 19.11-396
Koshinskii, S. D., 19.11-397
Almazan, J. A., 19.12-76
Wind direction
Mamontov, N. V., 19.12-282
Wind direction fluctuations
Singer, I. A., 19.3-228
Wind direction variability
Panchev, St., 19.1-257
Wind distribution
Blackadar, A. K., 19.8-382
Wind divergence
Abramov, R. V., 19.1-255
Wind driven currents
Aleem, A. A., 19.2-243
Litvinov, A. S., 19.3-242
Beliaev, V. S., 19.5-256
Birchfield, G. E., 19.5-257
James, R. W., 19.5-259
Sudol'skii, A. S. et al., 19.6-342
Saylor, J. H., 19.6-752
Okhlopkova, A. N., 19.8-387
Bretschneider, C. L., 19.9-453
Cheredilov, B. F., 19.11-415
Welander, P., 19.12-726
Wind driven model
Gill, A. E., 19.10-748
Wind driven ocean circulation
Holopainen, E. O., 19.2-252
Holland, W. R., 19.6-341
Wind effects
Mironov, O. G., 19.9-761
Gould, R. W. E. et al., 19.12-289
Naumann, A. et al., 19.12-296
Richards, D. J. W. et al., 19.12-300
Walshe, D. E., 19.12-303
Wind effects in ionosphere
King, J. W. et al., 19.4-429
Rishbeth, H., 19.6-499
King, J. W. et al., 19.7-518
Wind effects on acoustical gravity wave propagation
MacKinnon, R. F., 19.4-276
Wind effects on acoustical propagation
Pierce, A. D. et al., 19.7-492
Wind effects on aerosol concentration
Bonis, K., 19.12-325
Wind effects on aerospace vehicles
Buell, C. E., 19.8-373
Wind effects on atmospheric pollution
Singer, I. A., 19.3-228
Stewart, I. M. et al., 19.7-235
Wind effects on buildings
Whitbread, R. E., 19.11-388
Auger, B., 19.11-404
Litton, E., 19.11-409
Pirner, M., 19.12-299
Wind effects on buildings conferences
Symposium on Wind Effects on Bldgs. & Structures, 3rd,

  Loughborough, Eng., Apr. 2-4, 1968, 19.11-36
Wind effects on coastal waters
  Paszkiewicz, C., 19.10-752
Wind effects on cumulus clouds
  Orville, H. D., 19.9-468
Wind effects on evaporation
  Hanks, R. J. et al., 19.6-362
Wind effects on ice drift
  Nikiforov, E. G. et al., 19.1-265
  Gudkovich, Z. M. et al., 19.11-745
Wind effects on ice loaded wires
  Simpson, A. et al., 19.12-301
Wind effects on infrasound
  Maecham, W. C., 19.5-254
Wind effects on lake levels
  Platzman, G. W., 19.9-456
Wind effects on lake temperatures
  Eckel, O., 19.4-742
Wind effects on lakes
  Okamoto, I., 19.6-750
  Csanady, G. T., 19.8-385
Wind effects on ocean circulation
  Pedlosky, J., 19.5-260
Wind effects on ocean currents
  Shteinbakh, B. V., 19.9-457
  Yoshida, K. et al., 19.9-458
Wind effects on ocean temperatures
  Perry, J. D., 19.8-738
  Maeda, S., 19.12-730
Wind effects on oxidant concentration
  Leone, I. A. et al., 19.7-228
Wind effects on plants
  Hunt, L. A. et al., 19.6-288
Wind effects on precipitation
  Balzer, K., 19.5-263
Wind effects on pressure
  MacKinnon, R. F., 19.10-316
Wind effects on radio waves
  Birkemeier, W. P. et al., 19.8-383
Wind effects on river discharges
  Ertel, H., 19.1-266
Wind effects on rockets
  D'Arcy, E. M., 19.2-87
  Wells, C. R. et al., 19.7-133
Wind effects on sail boats
  Coles, K. A., 19.12-6
Wind effects on scintillation
  Paperlein, D., 19.3-364
Wind effects on sea ice
  Kudriavtsev, N. F., 19.2-249
  Petrov, I. G., 19.3-317
Wind effects on sea level
  Al'tman, E. N., 19.2-540
  Kirillov, I. F., 19.4-299
  Skriptunov, N. A., 19.4-300
  Ivanov, R. N. et al., 19.5-258
  Janardhan, S., 19.6-270
  Luk'ianov, V. A., 19.9-454
  Harvey, J. G., 19.10-751
Wind effects on sea water
  Kraus, E. B., 19.1-267
Wind effects on snow
  Petrov, I. G., 19.3-317
Wind effects on solar radiation activity
  Tsitsenko, G. V., 19.9-356
Wind effects on stratified seas
  Tomczak, M., Jr., 19.11-418
Wind effects on structures
  Alexander, A. J., 19.11-380
  Bearman, P. W., 19.11-381
  Whitbread, R. E., 19.11-388
  Wootton, L. R., 19.11-389
  Foersching, H., 19.11-406
  Harris, R. I., 19.11-407
  Holownia, B. P., 19.11-408
  Parkinson, G. V. et al., 19.11-411
  Taylor, P. W. et al., 19.12-302
Wind effects on structures conferences
  Symposium on Wind Effects on Bldgs. & Structures, 3rd, Loughborough, Eng., Apr. 2-4, 1968, 19.11-36
Wind effects on the sea
  Abramov, R. V., 19.1-255
Wind effects on transmission lines
  Richardson, A. S., Jr., 19.11-403
Wind effects on trees
  Pears, N. V., 19.5-55
Wind effects on water surfaces
  Bryant, P. J., 19.10-376
  Monahan, E. C., 19.10-385
Wind effects on waves
  Bole, J. B. et al., 19.8-384
Wind erosion
  Adrianov, S. N., 19.3-237
  Radley, J. et al., 19.4-298
  Byrne, R. J., 19.6-337
  Cailleux, A., 19.6-338
  Drullinger, R. H. et al., 19.10-373
Wind erosion effects on soil properties
  Mech, S. J. et al., 19.7-349
Wind erosion process
  Uteshev, A. S. et al., 19.10-372
Wind estimation
  Stuhrmann, R., 19.1-245
Wind field analysis
  Acheson, D. T., 19.12-279
  Druyan, L. M., 19.12-280
Wind field effects on squall lines
  Carson, R. B., 19.9-439
Wind field forecasting
  Abuziarov, Z. K., 19.11-203
Wind field oscillations
  Darkow, G. L. et al., 19.2-241
Wind field over oceans
  Abramov, R. V., 19.1-255
Wind field singularities
  Pakhomov, L. A., 19.12-249
Wind field structure
  Wexler, R. et al., 19.5-78
Wind fields
  Maccabee, F. G., 19.12-294
Wind flow over mountains
  Constantin, T. et al., 19.10-392
Wind flow over sea surfaces
  Shemdin, O. H. et al., 19.10-245
  Ishida, I., 19.10-381
Wind flow round buildings
  Maccabee, F. G., 19.12-294
  Naumann, A. et al., 19.12-296
Wind fluctuation measurement techniques
  Lawson, T. V., 19.12-293
Wind force
  Bearman, P. W., 19.5-255
Wind forecast verification
  Ellsaesser, H. W., 19.9-240
Wind forecasting
  Hansen, F. F. et al., 19.6-323
  Aota, A. et al., 19.9-222
  Augulis, R. P., 19.11-183
Wind frequencies
  Chou, K. C., 19.4-46
  Kuchta, E., 19.6-331
  Cehak, K. et al., 19.12-284
Wind frequency analysis
  Okulaja, F. Ola., 19.9-448
  Truppi, L. E., 19.9-450
Wind gust forecasting
  Barnum, D. C., 19.9-223
Wind hazard to aircraft
  Brook, R. R. et al., 19.12-269
Wind instruments
  Maidens, A. D., 19.2-96
  Karpusha, V. E., 19.8-125
  Crouser, H. H., 19.10-140
  Syiko, A. A. et al., 19.11-148
  Axford, D. N., 19.12-81
  Protopopov, N. G., 19.12-90
Wind intensities
  Richter, J., 19.11-127
Wind load on buildings
  Litton, E., 19.11-409
Wind load on structures
  Zilitinkevich, S. S. et al., 19.3-238
  Bearman, P. W., 19.5-255
  Armitt, J., 19.11-382
  Bayley, M. J., 19.11-405
  Harris, R. I., 19.11-407
  Holownia, B. P., 19.11-408
  Newberry, C. W. et al., 19.11-410
  Tsvid, A. A. et al., 19.11-413
  Waller, R. A. et al., 19.11-414
  Allwood, R. J., 19.12-288

  Gould, R. W. E. et al., 19.12-289
  Griffiths, R., 19.12-290
  Handa, K. N. et al., 19.12-291
  Lawson, T. V., 19.12-293
  Moss, G. M., 19.12-295
  Orendi, K., 19.12-297
  Pirner, M., 19.12-299
  Richards, D. J. W. et al., 19.12-300
  Walshe, D. E., 19.12-303
  Wyatt, T. A., 19.12-304, 305
Wind load on wires
  Simpson, A. et al., 19.12-301
Wind loads
  Belous, I. M., 19.10-404
Wind measurement at sea
  Huff, L. C., 19.4-612
  Pond, S., 19.6-119
Wind measurement errors
  Chigrai, D. T., 19.4-59
Wind measurement techniques
  Chigrai, D. T., 19.4-59
  Yonezawa, T., 19.6-118
  Engler, N., 19.10-88
  Druyan, L. M., 19.12-280
Wind measurements
  Walczewski, J., 19.7-355
Wind models
  Dikii, L. A., 19.4-211
  Perov, V. L. et al., 19.5-246
Wind nomograms
  Sorkina, A. I., 19.4-294
Wind oscillations
  Santomauro, L., 19.9-401
Wind periodicities
  Streten, N. A., 19.3-230
Wind power utilization
  Chou, K. C., 19.4-46
Wind pressure
  Cowdrey, C. F., 19.12-287
Wind pressure instruments
  Lawson, T. V., 19.12-293
Wind pressure on buildings
  Bayley, M. J., 19.11-405
  Newberry, C. W. et al., 19.11-410
  Torrence, V. B., 19.11-412
  Wyatt, T. A., 19.12-305
Wind profile above crops
  Liapina, R. S., 19.4-42
Wind profile above sea
  Imasato, N., 19.3-233
  Paulson, C. A., 19.7-9
  Pierson, W. J., 19.10-340
  Seesholtz, J. R., 19.11-11
Wind profile analysis
  Lawson, T. V., 19.7-338
  Harrold, T. W. et al., 19.9-440
  Manier, G., 19.11-401
  Stengel, R. F., 19.11-402
Wind profile calculations
  Rider, L. J. et al., 19.7-108
  Manier, G., 19.11-401
Wind profile measurement techniques
  Dunckel, M., 19.1-68
  Rider, L. J. et al., 19.7-108
  Dabberdt, W. F., 19.9-181
Wind profile measurements
  Blackadar, A. K. et al., 19.10-368
  Harris, R. I., 19.11-385
Wind profile parameters
  Champ, D. H., 19.1-263
Wind profile–surface roughness relationships
  Blackadar, A. K. et al., 19.10-368
Wind profile theories
  Charnock, H., 19.3-231
  Zilitinkevich, S. S. et al., 19.11-390
Wind profiles
  U. S. Air Force. Cambridge Research Labs., 19.1-231
  Essenwanger, O. M. et al., 19.3-232
  Sergeeva, G. G. et al., 19.3-234
  Kawanabe, Y., 19.10-371
  Gazzola, A. et al., 19.12-253
Wind profiles above lakes
  Lettau, H. et al., 19.12-285
Wind profiles in the surface layer
  Smith, F. B., 19.5-249
Wind recorders
  Karpusha, V. E., 19.8-125
  Syiko, A. A. et al., 19.11-148
  Protopopov, N. G., 19.12-90
Wind regime
  Stoenescu, St. M. et al., 19.11-396
  Georgiev, Iu. S., 19.11-725
Wind resistance of bridges
  Wyatt, T. A., 19.12-304
Wind scales
  Walden, H., 19.1-62
Wind sensors
  Almazan, J. A., 19.12-76
Wind shadow effect of a tower
  Cermak, J. E. et al., 19.8-106
Wind shear
  Lettau, B., 19.1-30
  Reisig, G. H. R., 19.2-246
Wind shear direction–cloud band orientation
  Hill, G. E., 19.12-342
Wind shear effects on convective motion
  Goetz, G. et al., 19.7-344
Wind shear effects on ionospheric ionization
  Nguyen, M. T., 19.4-435
Wind shear effects on turbulence
  Moffatt, H. K., 19.6-322
Wind shear measurements
  Phillips, N. S., 19.9-134
Wind shear probe
  Phillips, N. S., 19.2-66
Wind shear - turbulence relationships
  Vinje, T., 19.12-277
Wind shear–unstable stratification relationships
  Ivanovskii, A. I., 19.9-304
Wind shear variations
  Abhirama Reddy, C. et al., 19.12-463
Wind shift
  Mendenhall, B. R., 19.6-242
Wind spectra estimation
  Ivanov, V. N. et al., 19.1-256
Wind speed
  Holzworth, G. C., 19.3-140
Wind speed data
  Acheson, D. T., 19.12-279
Wind speed–dust deposition relationships
  Fletcher, R. D., 19.10-361
Wind speed measurement techniques
  Davenport, A. G., 19.2-97
Wind speed near the ground
  Aota, A. et al., 19.9-222
Wind speed spectra
  Davenport, A. G., 19.2-97
Wind speed-visibility relationships
  Newhouse, B. J., 19.11-204
Wind steadiness
  Olberg, M., 19.11-394
Wind storm, Sheffield (1962)
  Page, J. K., 19.12-298
Wind stress distribution
  Gill, A. E., 19.10-748
Wind stress effects on sea level
  Panshin, D. A., 19.2-253
Wind stress measurement techniques
  Cox, C., 19.7-348
Wind stress on sea surfaces
  Hellerman, S., 19.2-251
  Pond, S., 19.6-119
  Kraus, E. B., 19.8-386
  Yoshida, K. et al., 19.9-458
Wind stress on sea water
  Kraus, E. B., 19.1-267
Wind stress over water
  Weiler, H. S. et al., 19.1-247
  Lettau, H. et al., 19.12-285
Wind structure studies
  Milosavljevic, M. et al., 19.5-241
  Carson, R. B., 19.9-439
  Harris, R. I., 19.11-385
Wind transport of sand
  Radley, J. et al., 19.4-298
Wind transport of soil
  Radley, J. et al., 19.4-298

Wind tunnel experiments
  Gill, G. C. et al., 19.1-97
  Munn, R. E., 19.4-291
  Hunt, L. A. et al., 19.6-288
  Lin, J. T. et al., 19.6-358
  Atkinson, W. R. et al., 19.8-446
  Aufdermaur, A. N. et al., 19.8-452
  White, K. C., 19.11-379
  Bearman, P. W., 19.11-381
  Whitbread, R. E., 19.11-388
  Richardson, A. S., Jr., 19.11-403
  Bayley, M. J., 19.11-405
  Foersching, H., 19.11-406
  Holownia, B. P., 19.11-408
  Newberry, C. W. et al., 19.11-410
  Torrence, V. B., 19.11-412
  Cowdrey, C. F., 19.12-287
  Allwood, R. J., 19.12-288
  Gould, R. W. E. et al., 19.12-289
  Johns, D. J. et al., 19.12-292
  Maccabee, F. G., 19.12-294
  Moss, G. M., 19.12-295
  Naumann, A. et al., 19.12-296
  Richards, D. J. W. et al., 19.12-300
Wind tunnel measurements
  Cermak, J. E. et al., 19.6-320
  Walshe, D. E., 19.12-303
Wind tunnel turbulence studies
  Armitt, J. et al., 19.7-337
  Lawson, T. V., 19.7-338
Wind tunnels
  Uppal, H. L. et al., 19.5-633
  Horn, J. D. et al., 19.6-52
  Hoffer, T. E. et al., 19.8-414
  Nature, London, 19.11-97
  Anfilof'ev, B. A., 19.12-768
Wind vanes
  Wieringa, J., 19.3-88
  Smirnov, S. A., 19.4-107
Wind variability
  Petrov, L. S., 19.11-395
Wind variance analysis
  Stephens, J. J., 19.9-449
Wind variations
  Sharma, K. K., 19.4-260
  Krishna, K., 19.9-443
  Kashcheev, B. L. et al., 19.12-197
Wind variations with height
  Cochrane, J. A. et al., 19.9-430
  Manning, J. C. et al., 19.9-461
Wind vector measurement techniques
  Crouser, H. H., 19.10-140
Wind veering
  Mendenhall, B. R., 19.6-242
Wind velocity
  Santomauro, L., 19.9-401
Wind velocity calculation
  Veselov, E. P., 19.3-47
  Shtein, E. I. et al., 19.5-240
Wind velocity data
  Kawanabe, Y. et al., 19.9-338
Wind velocity distribution
  Krishna, K., 19.9-443
Wind velocity divergence
  Lenschow, D. H. et al., 19.3-68
Wind velocity fluctuations
  Byzova, N. L. et al., 19.9-429
Wind velocity measurement techniques
  Stuhrmann, R., 19.1-245
Wind velocity over land and lake
  Karbaum, H., 19.6-332
Wind velocity over reservoirs
  Shtein, E. I. et al., 19.5-240
Wind velocity profiles
  Henry, R. M. et al., 19.9-425
  Chuang, H. et al., 19.10-369
Wind velocity - state of sea relationships
  Paszkiewicz, C., 19.10-752
Wind wave analysis
  Tsaitts, E. S. et al., 19.7-350
  Carlson, H. et al., 19.10-377
  Hino, M., 19.10-379
Wind wave calculations
  Tsvetkova, D. I. et al., 19.4-301
  Beliaev, I. P. et al., 19.10-374
  Ijima, T. et al., 19.10-380
  Sakane, N., 19.10-386
Wind wave energy transfer
  Korvin-Kroukovsky, B. V., 19.10-382
Wind wave forecasting
  Inoue, T., 19.3-241
  Bretschneider, C. L., 19.6-172
  Barnett, T. P., 19.6-339
  Bretschneider, C. L., 19.10-375
  Sakane, N., 19.10-386
  Sirotov, K. M., 19.11-417
Wind wave generation
  Hasselmann, K., 19.3-240
  Barnett, T. P., 19.6-339
  Titov, L. F. et al., 19.6-343
  Hamada, T. et al., 19.10-378
  Korvin-Kroukovsky, B. V., 19.10-382
  Gottifredi, J. C. et al., 19.10-759
  Seesholtz, J. R., 19.11-11
Wind wave growth
  Hamada, T. et al., 19.10-378
Wind wave measurement techniques
  Dreier, A. A. et al., 19.5-634
Wind–wave relationships
  Zorina, V. A., 19.9-459
  Shemdin, O. H. et al., 19.10-245
  Ishida, I., 19.10-381
  Manabe, D. et al., 19.10-383, 384
Wind wave spectra
  Inoue, T., 19.3-241
  Barnett, T. P., 19.6-339
  Hino, M., 19.10-379
  Korvin-Kroukovsky, B. V., 19.10-382
Wind wave spectra determination
  Bretschneider, C. L., 19.6-172
Wind wave suppression
  Gottifredi, J. C. et al., 19.10-750
Wind wave theories
  Shuleikin, V. V., 19.5-261
  Phillips, O. M., 19.9-455
  Hino, M., 19.10-379
Wind waves
  Zubkov, A. E., 19.2-569
  Sager, G., 19.11-739
Wind waves on lakes
  Vorontsov, F. F., 19.8-388
Wind waves on reservoirs
  Tsvetkova, D. I. et al., 19.4-301
  Tsvetkova, D. I., 19.5-262
Wind waves on water surfaces
  Francis, J. R. D., 19.3-239
Windborne salt effects on citrus
  Lomas, J. et al., 19.9-103
Windbreak effects on microclimates
  Rosenberg, N. J., 19.7-347
Winds
  Hidy, G. M., 19.9-2
Winds at sea
  Kuchta, E., 19.6-331
  Petrov, L. S., 19.11-395
Winds over water surfaces
  Zaitsev, A. S. et al., 19.1-258, 259
  Aleem, A. A., 19.2-243
Winter, 1962-63
  Shellard, H. C., 19.11-135
Winter climates
  Clark, J. A., 19.10-465
Winter crops
  Khomiakov, V. N., 19.4-37
Winter E layer anomaly
  Serafimov, K. D. et al., 19.1-386
Winter grain cultivation
  Jenkins, G., 19.9-98
Winter monsoon
  Ninomiya, K. et al., 19.12-380
Winter precipitation
  Jorgensen, D. L. et al., 19.2-284
Winter stratospheric cyclones
  Pchelko, I. G., 19.9-283
Winter stratospheric temperatures
  Yamamoto, R. et al., 19.3-218

Winter temperature data
Hosking, K. J., 19.9-395
Winter weather
Ager, B., 19.11-466
Winter wheat crop forecasting
Ulanova, E. S., 19.4-167
Winter wheat crops
Varga-Haszonits, Z., 19.12-45
Winter wheat cultivation
Kekukh, A. M. et al., 19.1-599
Lichikaki, V. M. et al., 19.2-226
Kaack, K. et al., 19.4-36
Utrata, A., 19.7-187
Wintering of crops
Moiseichik, V. A., 19.4-162
Wired sondes
Hyson, P., 19.12-259
Woods Hole Oceanographic Institution, Mass.
Woods Hole, Mass. Oceanographic Institution, 19.10-709
Working capacity
Givoni, B., 19.11-357
Workroom microclimates
Malysheva, A. E., 19.11-499
World climates
Papadakis, J., 19.12-25
World Data Centers
World Data Center A [for] Geomag., Seism., Gravity and Tsunami..., 19.9-52
Internatl. Years of the Quiet Sun, 1964-1965, 19.9-212
World Meteorological Centers
World Meteorological Organization, 19.2-29
World meteorological days
Shapley, A. H., 19.9-158
World radiation charts
Winston, J. S. et al., 19.4-247
World weather maps
Rodewald, M., 19.5-87
World Weather Records
U. S. Environ. Data Serv., 19.7-125
World Weather Watch
World Meteorological Organization, 19.3-13
Smith, L. P., 19.4-55
Keil, K., 19.5-24
Triegaardt, D. O., 19.5-64
Cudny, W., 19.6-43
Vaeisaelae, V., 19.6-161
Bruce, J. P. et al., 19.7-34
Internatl. Counc. of Sci. Unions., 19.8-37
O'Lone, R. G., 19.9-56
Spohn, C. A., 19.9-656
Wuerm glaciation
Hoppe, G., 19.9-807

X

X-15 airplane
Webb, L. D., 19.12-82
X-radiation
Gould, R. J. et al., 19.10-588
X-ray astronomy studies
Gould, R. J., 19.6-566
Clark, G. W. et al., 19.6-580
Cooke, B. A. et al., 19.6-581
X-ray–aurora relationships
Rosenberg, T. J. et al., 19.2-405
X-ray diffraction by ice crystals
Ushiki, H. et al., 19.12-334
X-ray effects on ionosphere
Bhattacharyya, J. C. et al., 19.4-406
Donnelly, R. F., 19.4-414
Garriott, O. K. et al., 19.4-419
Krivsky, L. et al., 19.4-431
Johler, J. R., 19.6-488
Underwood, J. H., 19.11-671
X-ray fluxes
Seward, F. et al., 19.6-582
X-ray galaxies
Friedman, H., 19.8-693
X-ray radiation
Rees, M. J., 19.7-651
X-ray sources
Clark, G. W. et al., 19.6-580
Cooke, B. A. et al., 19.6-581
Brecher, K. et al., 19.7-640
Friedman, H., 19.8-693
X-ray spectrum
Clark, G. W. et al., 19.6-580
Seward, F. et al., 19.6-582
X-rays emitted during solar flares
Valnicek, B., 19.3-419
Kawabata, K. A., 19.3-526
Cline, T. L. et al., 19.5-594
Eliseeva, L. A., 19.7-315
Pinţer, S., 19.8-576
Neupert, W. M., 19.12-571
Van Allen, J. A., 19.12-645
Xenon
Levenson, L. L., 19.6-373

Y

Yearbooks
Internatl. Counc. of Sci. Unions, Rome, 19.9-45

Z

Zeeman effect
Brueckner, G., 19.6-623
Gautier, D., 19.11-560
Zeravshan Glacier
Leningrad Univ., 19.11-20
Zero isotherm
Mackiewicz, E., 19.5-234
Zetes expeditions
Calif. Univ. Scripps Inst. of Oceanog., La Jolla, 19.5-619
Zodiacal cloud
Alexander, W. M. et al., 19.8-634
Zodiacal light
Sparrow, J. G. et al., 19.7-562
Peale, S. J., 19.8-235
Zodiacal light intensities
Divari, N. B., 19.10-692
Tanabe, H. et al., 19.11-668
Zodiacal light photometry
Robley, R., 19.7-680
Zodiacal light polarization
Divari, N. B., 19.10-692
Zonal circulation
Ananthakrishnan, R. et al., 19.3-170
Ermakov, V. M. et al., 19.10-202
Vasil'ev, P. P., 19.12-202
Zonal circulation index
Smirnov, I. P. et al., 19.10-208
Zonal circulation variations
Vorob'eva, E. V., 19.2-168
Smirnov, I. P. et al., 19.10-208
Zonal disturbances
Blinova, E. N., 19.10-177
Zonal flow
Wiin-Nielsen, A. et al., 19.3-183
Zonal flow stability
Dikii, L. A., 19.3-173
Galin, M. B., 19.8-282
Zonal tropospheric circulation
Barbe, G. D. et al., 19.8-389
Zonal westerlies variations
Brier, G. W., 19.12-192
Zonal wind oscillations
Holton, J. R., 19.9-460
Sprenger, K. et al., 19.12-509
Zonal wind profiles
Wiin-Nielsen, A., 19.3-182
Zonal wind shear
Galin, M. B., 19.8-282
Zonal winds
Faust, H. et al., 19.1-268
Dickinson, R. E., 19.7-277

CUMULATIVE GEOGRAPHICAL INDEX

Vol. 19, No. 1-12, Jan.–Dec. 1968

This index is arranged according to the Universal Decimal Classification (UDC). The following is a broad outline of the arrangement:

(2) Physiographical Regions
  (213) Tropical Regions
  (215) Hemispheres
  (23) Mountains
  (26) Oceans, Seas and Interconnections
  (282.2) Rivers
  (285) Lakes, ponds, etc.
(4) Europe
(5) Asia
(6) Africa
(7) North America
(8) South America
(9) Australasian, Oceanian, Arctic and Antarctic Regions

The UDC subdivides each of the above listed areas numerically. Mountains, rivers, and lakes may be found under (2) Physiographical Regions.

(2) **PHYSIOGRAPHICAL REGIONS**
(213) TROPICAL REGIONS, 19.1-270, 409; 19.2-17; 19.4-53, 201; 19.5-87, 143, 146; 19.6-115; 19.7-335; 19.9-65, 302, 307, 441, 460; 19.11-341
(215) HEMISPHERES
(215-13) **Southern Hemisphere,** 19.2-166, 174, 327, 354; 19.3-192; 19.6-249; 19.9-66, 272, 325, 385, 418, 461, 557, 660; 19.11-321; 19.12-540
(215-17) **Northern Hemisphere,** 19.1-179, 181, 182, 225, 229, 241; 19.2-162, 220; 19.3-98, 211, 219, 284, 320; 19.4-154, 195, 305; 19.5-196, 244; 19.6-249; 19.7-219, 326, 327 391, 393; 19.8-172, 359, 393, 502; 19.9-287, 323, 402, 417; 19.10-6, 205, 239, 726; 19.11-193, 321, 322, 326; 19.12-265, 317, 540
(23) MOUNTAINS
(234) **Mountains of Europe**
  Alps, 19.2-295; 19.3-134, 235, 304, 322, 345; 19.5-149, 192, 200, 210, 213, 215, 216, 232, 303, 305, 310, 311, 312, 317, 319, 335, 342, 343, 349, 350, 352, 358, 720; 19.6-24; 19.8-100, 344, 399; 19.10-249, 773; 19.12-171, 236, 284
    Dauphine Alps, 19.10-461
    Jungfraujoch, Alps, 19.12-653
    Oetztal Alps, 19.12-778
    Plateau Rosa, Alps, 19.5-305
    Southern Alps, 19.3-134, 235; 19.6-360
  Apennines, 19.2-295; 19.3-235
  Beskids, 19.10-424
  Buekk Mts., 19.9-539
  Cairngorm Mts., 19.5-55; 19.10-438, 440
  Carpathian Mts., 19.2-219, 242, 286; 19.7-94, 831; 19.8-334; 19.9-480, 829
    Western Carpathian Mts., 19.5-349
  Caucasus, 19.2-587; 19.3-1, 298, 326; 19.4-363; 19.5-169; 19.6-336; 19.7-283; 19.8-214; 19.9-520; 19.11-338, 778; 19.12-9
    Lesser Caucasus, 19.11-475
    Mt. Elbrus, 19.5-712; 19.12-11
    Northern Caucasus, 19.3-236,

- 318; 19.9-521; 19.10-183
    - Transcaucasia, 19.3-298; 19.10-170, 183
    - Zangezursk Range, 19.9-359
  - Cheget-Dzhara Range, 19.11-469
  - Mt. Cimone, 19.12-149
  - Mt. Etna, 19.5-318
  - Musala Peak, 19.10-493; 19.12-451
  - Pyrenees, 19.5-273
  - Sudetes, 19.5-349
  - Tarcu Massif, 19.10-392
  - Tatra Mts., 19.2-318; 19.5-231, 330
  - Ural Mts., 19.3-214; 19.5-324; 19.10-278
- (235) **Mountains of Asia**
  - Altai Mts., 19.8-458
  - Himalayas
    - Mt. Everest, 19.3-672
    - Nepal Himalayas, 19.9-804
  - Kichik-Alai, 19.5-733
  - Mt. Fuji, 19.2-282; 19.10-311
  - Mt. Norikura, 19.2-421, 432
  - Tien Shan, 19.5-237, 738; 19.6-716, 720; 19.7-828; 19.11-20
    - Ala-Tau, 19.5-739
    - Dzungarian Ala-Tau, 19.6-714, 715, 717
    - Trans-Ili Ala-Tau, 19.3-330; 19.6-718, 719; 19.8-753, 754; 19.10-7
  - Western Ghats, 19.5-320
- (236) **Mountains of Africa**
  - Hoggar Mts., 19.8-440
- (237) **Mountains of North America**
  - Black Hills, 19.9-872
  - Blue Mts., 19.6-72
  - Bridger Mts., 19.3-305
  - Cascade Range, 19.3-338; 19.11-798
  - Cerro de la Encantada, Sierra San Pedro Martir, 19.9-552
  - Laurel Hill, Alleghenies, 19.9-620
  - Mt. Cougar, 19.3-509
  - Mt. Rainier, 19.7-771
  - Mt. Washburn, 19.5-376
  - Mt. Washington, 19.2-421
  - Mt. Wilson, 19.4-251
  - Northeastern St. Elias Mts., 19.4-735
  - Rocky Mts., 19.1-272; 19.2-260; 19.8-198; 19.9-433; 19.11-238; 19.12-404
    - Colorado Front Range, 19.4-738; 19.7-766; 19.9-544; 19.12-432
    - Fritz Peak, 19.8-549
  - Santa Rita Experimental Range, 19.4-336
  - Sierra Nevada Mts., 19.1-278; 19.2-590; 19.6-189; 19.7-404; 19.9-502; 19.11-235
  - Steens Mts., 19.5-477
  - White Mts., 19.10-794
- (238) **Mountains of South America**
  - Cordillera, 19.3-235
  - Rupununi Savannas, 19.8-461
- (239) **Mountains of Australasia, Oceania, Arctic and Antarctic Regions**
  - Horlick Mts., 19.2-586
  - Pensacola Mts., 19.2-586
  - Southern Alps, 19.12-376
- (26) OCEANS, SEAS AND INTERCONNECTIONS
- (261) **Atlantic Ocean**, 19.1-101, 214, 546, 550; 19.3-639; 19.4-633, 655, 667, 668; 19.5-181, 419, 657, 674; 19.6-266, 341, 679, 681; 19.7-82, 733, 767; 19.8-302; 19.9-335; 19.11-698, 733; 19.12-208, *see also* (269.4)
- (261:213) Tropical Atlantic, 19.1-68, 565, 569; 19.2-81, 152, 565; 19.3-200; 19.5-678; 19.6-682; 19.7-77, 390; 19.11-329
- (261.1) North Atlantic, 19.1-183, 211, 255, 540, 553; 19.2-167, 252; 19.3-241; 19.4-610, 649, 658, 666, 672, 678, 692; 19.5-618, 656; 19.6-267, 269, 339, 383, 684, 697, 698; 19.7-119, 165, 316, 738; 19.8-303, 386, 421, 709, 734, 738; 19.9-389; 19.10-175, 255, 258, 734, 763; 19.11-192, 203, 319, 362, 723, 729, 731, 738; 19.12-671, 717
- (261.2) Northeast Atlantic, 19.2-520, 562, 571; 19.4-511, 632; 19.6-176; 19.7-741, 744; 19.11-137, 320, 395
  - Helgoland Bight, 19.4-691
- (261.24) Baltic Sea, 19.1-11, 281; 19.3-216, 613; 19.4-231, 293, 670; 19.5-639, 706; 19.6-114, 129, 180, 260, 331; 19.8-94, 701; 19.10-720, 743, 744, 752; 19.11-713
  - Gulf of Gdansk, 19.4-629; 19.9-459
- (261.243) Gulf of Finland, 19.4-231; 19.12-263
- (261.244) Gulf of Riga, 19.9-457
- (261.26) North Sea, 19.1-584; 19.4-88, 696; 19.5-258; 19.6-114; 19.7-118; 19.8-94, 701; 19.10-720, 744; 19.12-732
- (261.266) Coastal waters of East Britain, 19.1-543
- (261.267) Straits of Dover, 19.1-562
- (261.268) English Channel, 19.6-690, 691
- (261.27) Irish Sea and coastal waters of West British Isles, 19.5-701
- (261.273) St. George's Channel and coastal waters of Wales and Ireland
  - Menai Strait, 19.10-751
- (261.4) Northwest Atlantic, 19.1-513, 515, 518; 19.2-527, 561, 563, 564, 568; 19.3-30; 19.4-607, 628, 669, 705; 19.5-203, 642, 680; 19.6-18, 687; 19.7-742; 19.8-703, 704, 746; 19.10-64, 725, 739, 747; 19.11-201, 734, 747; 19.12-677, 685, 725, 767
  - Foxe Basin, 19.9-799
- (261.42) Davis Strait, 19.3-622; 19.7-71; 19.9-799; 19.12-669

(261.43) Sea of Labrador, 19.3-622; 19.6-676; 19.12-674
(261.44) Gulf of St. Lawrence, 19.3-616, 649; 19.5-632
(261.45) Gulf of Maine, 19.12-672
(261.46) Coastal waters of Northeast U.S., 19.4-232; 19.11-11; 19.12-724
  Block Island Sound, 19.6-692
  Buzzards Bay, 19.4-681, 685
  Long Island Sound, 19.6-692
(261.47) Chesapeake Bay, 19.8-747
  Chesapeake Bight, 19.9-780
(261.48) Coastal waters of Southeast U.S., 19.1-236, 536; 19.5-683; 19.9-335; 19.11-691; 19.12-690
(261.5) South Atlantic, 19.4-648
(261.6) West and Southwest Atlantic, 19.5-668; 19.10-65; 19.12-720
(261.6-14) Southwest Atlantic, 19.6-675
(261.6-15) West Atlantic, 19.2-172, 563; 19.3-30
(261.62) Sargasso Sea, 19.1-566; 19.2-561; 19.4-612
(261.63) Bahama Sea, 19.1-513; 19.8-711; 19.9-747
  Tongue of the Ocean, 19.12-689, 731
(261.638) Florida Straits, 19.5-644
(261.64) Gulf of Mexico, 19.1-560; 19.2-573; 19.3-58, 610; 19.4-88, 676; 19.5-245, 663; 19.6-275, 638; 19.7-289, 747; 19.9-303, 333, 789; 19.11-693; 19.12-268
(261.65) Caribbean Sea, 19.1-544; 19.3-633; 19.5-625, 655; 19.6-255, 644, 664; 19.9-303; 19.10-713; 19.11-79; 19.12-268, 720, 767
(261.7) East and Southeast Atlantic, 19.1-526, 568; 19.2-79, 146; 19.8-295; 19.12-698
(261.74) Coastal waters of West Africa, 19.5-673
(261.76) Gulf of Guinea, 19.8-708; 19.10-753, 761
(261.78) Coastal waters of Southwest Africa and West South Africa, 19.1-536; 19.5-21; 19.6-669
(262) **Mediterranean Sea,** 19.4-610, 655; 19.5-621; 19.8-709; 19.11-712; 19.12-666, 688, 716, *see also* (4-015)
(262.1) Western Mediterranean, 19.7-744
(262.112) Strait of Gibraltar, 19.5-623
(262.116) Ligurian Sea, 19.9-759, 19.12-747
  Gulf of Genoa, 19.3-640, 654
(262.13) Tyrrhenian Sea, 19.4-608
(262.2) Eastern Mediterranean, 19.3-648; 19.10-735; 19.11-692
  Asinara Sea, 19.9-779
  Bonifacio Strait, 19.9-779
(262.3) Adriatic Sea, 19.1-188; 19.4-200; 19.6-437; 19.9-767
  Gulf of Trieste, 19.9-788
(262.35) Coastal and island waters of Dalmatia, 19.2-543
(262.4) Aegean Sea, 19.5-624
(262.5) Black Sea, 19.2-532, 549, 554, 556; 19.3-387, 607, 638; 19.4-231, 235, 500, 641, 642, 646, 664, 671, 713; 19.5-227, 638, 684; 19.6-664; 19.7-715, 791; 19.8-421, 723, 737; 19.9-771, 778; 19.10-724, 729, 737, 740, 742, 792; 19.11-415, 715, 725, 726; 19.12-695, 723
  Coastal waters of Crimea, 19.9-766
  Feodosiya Gulf, 19.9-761
  Kerch Strait, 19.2-540; 19.5-666
(262.538) Bosporus, 19.10-738
(262.54) Sea of Azov, 19.4-231, 299, 646, 677, 713; 19.5-638; 19.6-705; 19.8-421, 737; 19.9-454; 19.10-374, 737
  Gulf of Taganrog, 19.9-796
  Sivash Lagoon, 19.11-717, 718
(262.8) Inner Seas of Eurasia
  Dead Sea, 19.11-453
(262.81) Caspian Sea, 19.1-535; 19.4-293, 300, 624, 677, 689; 19.5-634, 702; 19.8-421; 19.11-202, 710, 711
(262.83) Aral Sea, 19.4-623, 624; 19.5-702; 19.9-797, 798; 19.12-700
(265) **Pacific Ocean,** 19.1-195, 274, 550, 551; 19.2-522; 19.3-44, 76, 190, 620, 621, 639, 646; 19.5-177, 653, 677, 679; 19.6-658; 19.7-82, 712, 767; 19.8-23, 99, 728; 19.9-394, 722, 737, 738, 770; 19.10-223, 736; 19.12-662, 699, *see also* (269.5)
(265:213) Tropical Pacific, 19.2-150, 165; 19.3-164, 280; 19.5-208, 214, 652; 19.9-776; 19.10-712; 19.11-329, 351, 727
(265.1) East and Southeast Pacific, 19.1-557, 561, 564; 19.2-514; 19.5-622; 19.9-739, 740, 742; 19.11-98
(265.1-11) East Pacific, 19.8-353
(265.1-12) Southeast Pacific, 19.2-521; 19.10-746
(265.13) Gulf of Guayaquil, 19.2-525
(265.16) Coastal waters of Central America and Southwest Mexico, 19.3-614
(265.17) Gulf of California, 19.3-637
(265.2) North and Northeast Pacific, 19.1-183, 512, 548, 571; 19.2-558; 19.3-618; 19.4-605; 19.5-670; 19.8-713; 19.9-153, 157, 442, 764; 19.12-684, 696, 702
(265.2-17) North Pacific, 19.2-252, 516, 546, 577; 19.7-131, 734; 19.8-421; 19.10-733; 19.11-131, 319, 416; 19.12-729
(265.2-18) Northeast Pacific, 19.2-601; 19.3-647, 652; 19.4-229, 603; 19.5-182; 19.6-695
(265.22) Coastal waters of West U.S., 19.1-426, 518, 523; 19.2-253; 19.3-268, 612, 614, 626, 637; 19.4-88, 602; 19.5-648, 685; 19.6-319; 19.7-719, 720; 19.8-552,

702, 705, 730; 19.9-744, 776; 19.11-720; 19.12-675
(265.23) Coastal waters of Alaska and Canada
  Dixon Entrance, 19.1-509
(265.24) Gulf of Alaska, 19.4-88; 19.6-672
(265.5) West and Northwest Pacific, 19.1-547; 19.5-619, 620, 651, 667; 19.7-83; 19.8-425, 736
(265.5-16) Northwest Pacific, 19.1-2, 528, 561; 19.3-195, 662; 19.4-604, 645, 674; 19.5-151, 706; 19.6-659, 694; 19.7-746; 19.9-491, 492, 765; 19.10-714, 717, 745, 757; 19.11-328, 697, 722, 743; 19.12-722
(265.51) Bering Sea, 19.2-601; 19.6-696; 19.9-327, 549; 19.11-21; 19.12-75, 693, 755
(265.518) Bering Strait, 19.9-743; 19.12-709
(265.53) Sea of Okhotsk, 19.9-549, 741
(265.54) Sea of Japan, 19.2-280; 19.3-9, 185, 252, 632; 19.5-654; 19.7-83; 19.10-63, 721; 19.12-730, 765
(265.548) Korean Strait
  Tsushima Strait, 19.5-681
(265.55) Seas (inner) of Japan
  Osaka Bay, 19.9-338
(265.56) Yellow Sea, 19.3-9; 19.6-262, 668; 19.10-722
(265.57) East China Sea, 19.6-668; 19.12-713
(265.58) Philippine Sea, 19.10-380
  Ariake Bay, 19.3-624
  Kii Strait, 19.10-273
  Sagami Bay, 19.4-634; 19.10-311
(265.7) South and Southwest Pacific, 19.1-563; 19.2-519, 529; 19.5-669, 689; 19.6-654; 19.8-724; 19.12-708
  Hikurangi Trench, 19.1-567
(265.7-13) South Pacific, 19.5-652; 19.8-380; 19.9-781
(265.7-14) Southwest Pacific, 19.4-88; 19.11-732
(265.72) South China Sea, 19.10-66
  Da Nang Bay, 19.12-668
  Da Nang Harbor, 19.11-208
(265.73) Seas of the Malayan Archipelago, 19.12-728
(265.74) Seas along Sunda Islands, 19.12-728
(265.76) Coral Sea, 19.6-667
(265.78) Tasman Sea, 19.1-510
(267) **Indian Ocean,** 19.1-552; 19.2-243, 530; 19.3-611, 619; 19.4-165, 244, 606, 663; 19.5-610, 686; 19.6-659, 666, 670; 19.7-9, 82, 708, 740; 19.8-23, 571; 19.9-294, 736, 737, 782, 783; 19.12-718, *see also* (269.7)
  Natal Bay, 19.12-217
(267:213) Tropical Indian Ocean, 19.5-14
(267.2) West and Southwest Indian Ocean, 19.5-333, 626; 19.6-665
(267.2-14) Southwest Indian Ocean, 19.6-677; 19.7-290; 19.9-777; 19.10-100
(267.26) Coastal waters of East Africa, 19.7-745
(267.3) Northwest Indian Ocean, 19.1-201
(267.33) Red Sea, 19.2-545; 19.4-647; 19.6-674; 19.8-709
(267.339) Suez Canal, 19.11-735
(267.35) Persian Gulf, 19.2-545; 19.4-88; 19.5-650, 657
(267.36) Gulf of Oman, 19.5-650
(267.37) Arabian Sea, 19.2-545; 19.4-88, 225; 19.7-740; 19.12-5, 206
(267.38) Laccadive Sea, 19.4-686
(267.64) Bay of Bengal, 19.3-189; 19.5-643; 19.6-270; 19.7-750; 19.12-206
  Coastal waters of Ceylon, 19.7-748
(267.65) Andaman Sea, 19.5-643
(267.7) East and Southeast Indian Ocean
  Macquarie Harbour, 19.2-574
(267.72) Timor Sea, 19.2-311
(268) **Arctic Ocean,** 19.1-541; 19.2-80, 188, 249, 452, 542, 579, 581; 19.3-162, 449, 664; 19.5-466, 631, 705, 707, 708; 19.6-285, 689, 696; 19.7-774; 19.8-746, 748; 19.10-173, 731; 19.11-136, 333, 421, 490; 19.12-663, 705, 750, 751, *see also* (98)
  Central Arctic Basin, 19.12-223
(268.4) European Arctic, 19.1-330; 19.5-706, *see also* (984)
(268.42) Greenland Sea, 19.1-559; 19.12-667
(268.428) Denmark Strait, 19.4-607; 19.11-695; 19.12-670
(268.43) Norwegian Sea, 19.1-559; 19.4-610, 661; 19.5-672; 19.6-528
(268.45) Barents Sea, 19.2-221, 555; 19.4-660, 661; 19.6-174; 19.7-76; 19.8-729; 19.12-701
(268.46) White Sea,. 19.2-221; 19.3-47; 19.11-200; 19.12-749
(268.5) Asian Arctic, 19.1-265; 19.5-706; 19.11-420; 19.12-800, *see also* (985)
  Dmitri Laptev Strait, 19.11-199
(268.52) Kara Sea, 19.1-26; 19.2-185, 213, 560; 19.4-660
(268.53) Laptev Sea, 19.4-702, 716; 19.6-703; 19.11-737
(268.55) East Siberian Sea, 19.2-541; 19.4-659
(268.56) Chukchi Sea, 19.4-659; 19.6-683; 19.7-582; 19.11-366; 19.12-709
(268.7) American Arctic, 19.1-27, 570; 19.4-703; 19.6-706; 19.12-682, *see also* (987)
  Tanquary Fiord, 19.2-317
(268.72) Beaufort Sea
  Refuge Cove, 19.9-800
(268.75) Hudson Bay, 19.5-704; 19.6-699
(268.77) Baffin Bay, 19.3-615, 622; 19.4-679; 19.7-759; 19.9-799
(268.9) Arctic Basin, 19.1-575; 19.3-31; 19.4-700, 701; 19.11-745
(269) **Southern (Antarctic) Ocean,** 19.1-31; 19.2-79, 80, 250, 550, 576; 19.3-643, 665; 19.4-609, 710, 715; 19.6-659; 19.7-760, 761, 775; 19.8-707; 19.11-136, 714;

  - 19.12-233, 266, 673, *see also* (99)
  - Alasheyev Bay, 19.2-580; 19.5-710
  - Halley Bay, 19.2-338; 19.5-431; 19.6-535
- (269.4) Atlantic sector, 19.4-643, 648
- (269.42) Drake Passage, 19.10-748
- (269.5) Pacific sector, 19.4-643; 19.6-442
- (269.56) Ross Sea
  - McMurdo Sound, 19.1-32; 19.3-668
- (269.7) Indian Ocean sector, 19.3-642
  - Davis Sea, 19.3-317; 19.4-712
- (282.2) RIVERS, BASINS AND ESTUARIES
- (282.24) **European rivers and basins**
  - Ai, 19.7-817; 19.10-784
  - Alazan, 19.10-178
  - Aragvi, 19.3-120, 684
  - Arda, 19.8-435
  - Arges, 19.8-775
  - Biata, 19.7-827
  - Bruche, 19.4-344
  - Ceze, 19.11-806
  - Czerny Dunajec, 19.3-701
  - Danube, 19.1-598; 19.3-125, 704, 723; 19.5-230, 722, 772; 19.6-770; 19.7-789
  - Desna, 19.9-236
  - Dnieper, 19.4-318; 19.6-789; 19.9-834
  - Dniester, 19.4-318; 19.9-832, 840
  - Don, 19.9-838
  - Dvina, 19.3-116
    - Western Dvina, 19.3-699
  - Evian, 19.10-426
  - Gerzhazhan-Su, 19.9-823
  - Kama, 19.3-113; 19.9-864; 19.11-194
  - Kamenka, 19.7-817; 19.10-784
  - Kolyma, 19.8-781
  - Latoritsa, 19.9-232
  - Lech, 19.6-179
  - Liptov, 19.5-230
  - Maritza, 19.1-591; 19.8-435
  - Neva, 19.4-748
  - Oder, 19.3-722; 19.10-785; 19.11-744
  - Ohre, 19.12-135
  - Polomet, 19.5-758, 759; 19.8-787
  - Raba, 19.10-795
  - Romanche, 19.5-337
  - Serre-Poncon, 19.5-337
  - Svir, 19.9-826
  - Tominga, 19.8-791
  - Trubezh, 19.1-600; 19.2-613
  - Tundzha, 19.8-435
  - Turunchuk, 19.7-805
  - Tyne, 19.7-183
  - Ural, 19.9-841
  - Uzha, 19.9-231
  - Vistula, 19.11-744
  - Volga, 19.3-111, 119, 120, 222; 19.9-837, 864; 19.11-194
    - Upper Volga, 19.7-89
  - Warta, 19.7-799, 800; 19.9-865; 19.10-785
  - Wda, 19.7-827
  - Wieprz, 19.6-765
  - Yantra, 19.8-786
- (282.242) **British rivers and basins**
  - Cheshire - Shropshire, 19.2-592
  - Medway, 19.12-740
  - Tawe, 19.12-740
  - Thames, 19.10-399; 19.12-740
  - Till, 19.6-772
  - Torridge, 19.12-740
- (282.25) **Asian rivers and basins**
  - Ajoy, 19.7-416
  - Amur, 19.8-431
  - Angara, 19.7-833
  - Angren, 19.11-143
  - Bakalak, 19.12-801
  - Cauvery, 19.6-768, 773
  - Chao Phraya, 19.7-802
  - Chiili, 19.12-801
  - Chulman, 19.7-816
  - Damodar, 19.7-372; 19.8-789
  - East Punjab, 19.6-775
  - Gumti, 19.7-841
  - Indigirka, 19.6-726
  - Irtysh, 19.3-110, 118; 19.8-793
  - Jamuna, 19.8-185, 788
  - Kosi, 19.6-406
  - Lena, 19.3-112, 703; 19.5-725
  - Mahanadi, 19.6-405
  - Mekong, 19.7-781; 19.12-792, 797
  - Naryn, 19.12-771
  - Ob, 19.3-110, 112; 19.12-802
  - Ramganga, 19.7-837
  - Shilka, 19.9-238
  - Syr Darya, 19.8-15; 19.12-771
  - Talgar, 19.8-753
  - Taz, 19.5-744
  - Tista, 19.6-396
  - Uji, 19.6-764
  - Yenisei, 19.3-112; 19.9-234
- (282.26) **African rivers and basins**
  - Nile, 19.8-12; 19.11-735
- (282.27) **North American rivers and basins**
  - Cedar, 19.10-782
  - Charles, 19.5-703
  - Chena, 19.7-776
  - Columbia, 19.9-787; 19.11-805
  - Colville, 19.7-803
  - Corey Creek, 19.6-737
  - Deep, 19.5-444
  - Grand, 19.12-794
  - Great Whale, 19.4-464
  - Inugsuin, 19.2-306
  - Kansas, 19.12-799
  - Lerma, 19.10-182
  - Little Blue, 19.6-756
  - Madison, 19.6-759
  - Mississippi, 19.8-790
  - Necaxa, 19.10-182
  - Neches, 19.5-762
  - Passaic, 19.11-455
  - Potomac, 19.1-592
  - St. Croix, 19.1-577, 589; 19.6-728
  - St. Lawrence, 19.5-724
  - Salinas, 19.7-751

- Santa Fe, 19.6-411
- Sevier, 19.11-812
- Snoqualmie, 19.10-782
- Tennessee, 19.8-314
- Upper Colorado, 19.3-352
- White, 19.7-180
- Yallahs, 19.12-793

(282.29) **Rivers of Oceania**
- Waikato, 19.1-318

(285) LAKES, PONDS, etc.

(285:4) **European lakes**
- Donuzlav, 19.7-791
- Forggen-See, 19.6-179
- Goldberg, 19.6-332
- Laacher, 19.6-751; 19.9-8
- Ladoga, 19.1-232; 19.3-687; 19.4-744, 746 - 748; 19.8-368, 387, 388, 406, 432, 456, 767, 769 - 773
- Masurian, 19.4-326, 327; 19.5-353, 355, 357; 19.6-753; 19.7-788
- Traun, 19.4-742
- Valdai, 19.5-746, 747

(285:5) **Asian lakes**
- Baikal, 19.3-692; 19.6-342; 19.8-763; 19.9-370
- Biwa-ko, 19.6-750
- Yogo-ko, 19.7-786; 19.12-786
- Yueh Tan, 19.10-228

(285:6) **African lakes**
- Bosumtwi, 19.11-658
- Nyasa, 19.8-281
- Victoria, 19.10-228, 779

(285:7) **North American lakes**
- Algonquin, 19.5-734
- Champlain, 19.4-745; 19.6-742
- Crater, 19.3-690
- Echo, 19.6-524
- Great Lakes, 19.1-329; 19.3-689, 693; 19.4-262, 274, 749; 19.5-726; 19.6-727, 731, 749, 752, 754; 19.7-31, 783; 19.8-385, 759, 761, 762, 765; 19.9-214, 818; 19.11-794; 19.12-21, 73, 783
  - Erie, 19.3-688; 19.7-793; 19.8-760; 19.9-456
  - Michigan, 19.4-743; 19.6-744; 19.8-276, 764; 19.12-71, 79, 443, 785, 787, 794
  - Ontario, 19.6-743
  - Superior, 19.3-686; 19.6-730; 19.10-385
- Hefner, 19.3-265; 19.7-367; 19.12-285
- Iliamna, 19.8-768
- Mead, 19.11-183
- Mendota, 19.7-785; 19.9-467
- Nitinat, 19.6-664
- Pretty, 19.7-790
- Rogers, 19.10-225

(285:9) **Antarctic lakes**
- Vanda, 19.2-596; 19.7-794
- Vida, 19.4-737

(4/5) EURASIA, 19.5-68; 19.7-451; 19.9-12

(4) **EUROPE,** 19.1-69, 88, 178, 313, 581; 19.3-198; 19.5-735; 19.6-58, 290; 19.7-275, 329, 587; 19.8-295, 698; 19.9-322, 721; 19.10-249, 524, 534; 19.11-67, 447, 510, 582; 19.12-316

(4-015) MEDITERRANEAN REGION, 19.4-283, 296; 19.5-253

(4-11) EASTERN EUROPE, 19.10-46

(4-12) SOUTHEASTERN EUROPE, 19.3-374; 19.9-218
- Black Sea coast, 19.10-418

(4-13) SOUTHERN EUROPE, 19.2-257

(4-15) WESTERN EUROPE, 19.1-275; 19.3-136; 19.9-560

(4-16) NORTHWESTERN EUROPE, 19.6-440

(4-17) NORTHERN EUROPE, 19.1-322

(4-191.2) CENTRAL EUROPE, 19.1-226; 19.5-334, 352, 423; 19.6-760; 19.7-320; 19.9-511; 19.10-801

(41) BRITISH ISLES, 19.2-56; 19.3-464; 19.7-461; 19.10-25, 99, 303, 465; 19.12-683

(410) UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND, 19.1-115, 249; 19.2-59; 19.5-207, 535, 611; 19.6-213, 237; 19.7-472; 19.8-146, 613; 19.9-82, 98, 386, 410; 19.10-107; 19.11-51, 135, 452, 462; 19.12-37

(411) **Scotland,** 19.1-312; 19.5-226, 316; 19.8-132; 19.9-444; 19.11-476
- Eskdalemuir, 19.3-462
- Glasgow, 19.5-338
- Lerwick, 19.3-462; 19.7-606

(416) **Northern Ireland,** 19.7-636

(417) **Irish Republic**
- North Munster, 19.11-17
- Valentia, 19.3-462

(420) **England,** 19.1-80; 19.2-111, 199; 19.3-674; 19.5-150, 306; 19.6-383; 19.7-467; 19.8-310; 19.9-144, 397, 416, 536; 19.10-318, 433; 19.11-428, 446
- Belmont, 19.5-122
- Berkshire, 19.9-555
- Cambridge, 19.2-190, 197
- Cardington, 19.1-298; 19.2-235; 19.4-499; 19.8-396
- Cheshire, 19.11-89
- Corby, 19.11-379
- Crawley, 19.2-138
- Ferrybridge, 19.5-255
- Gypsey Race, 19.6-794
- Hampshire, 19.8-59
- Harpenden, 19.2-93
- Hartland, 19.3-462
- Haverah Park, 19.7-579
- Houghall, 19.6-309
- Jodrell Bank, 19.5-543
- Kew, 19.2-138, 191
- Lancashire, 19.7-333

Leicester, 19.2-224
London, 19.6-521; 19.9-6; 19.9-6; 19.11-410; 19.12-3
London Airport, 19.5-226
Long Ashton, 19.10-305
Maidstone, 19.9-390
Malvern, 19.4-561, 565
Manchester Airport, Manchester, 19.7-318
Marks Tey, Essex, 19.7-454
Oxford, 19.6-51; 19.8-262; 19.9-148
Reading, 19.2-106, 139
Rugby, 19.11-385
Ryde, 19.9-395
Selset, 19.5-354
Sheffield, 19.12-298
Shoeburyness, 19.10-40
Sidmouth, 19.6-513
Southampton, 19.9-537, 19.10-179
Southeast England, 19.1-119, 191
Southern England, 19.1-260
Thetford Chase, 19.2-225; 19.9-106, 107
Winkfield, 19.2-63; 19.5-532
Yorkshire, 19.4-298

(429) **Wales,** 19.5-306; 19.7-54, 55; 19.9-416; 19.11-446
Aberystwyth, 19.4-409, 410; 19.8-441; 19.11-494

(430) GERMANY, 19.1-401; 19.4-388; 19.6-464, 465; 19.7-596

(430-2.1) Berlin, 19.1-245; 19.11-264

(430.1) **Federal Republic of Germany,** 19.1-115, 249; 19.3-17; 19.5-218, 495; 19.6-60, 344; 19.7-225; 19.8-610; 19.9-69; 19.10-22, 109
Bad Soden, 19.6-294
Bavaria, 19.5-722; 19.7-215
Breisach, 19.11-538
Frankfurt, 19.6-129
Freiburg, 19.10-539
Garching, 19.6-284
Garmish-Partenkirchen, 19.2-142; 19.8-223
Gelsenkirchen, 19.6-202
Hamburg, 19.4-251; 19.6-202; 19.8-46
Hanover, 19.10-460
Lake Constance region, 19.3-707
Lindau, 19.2-337; 19.12-558
Lingeser Reservoir, 19.9-820
Mainz, 19.7-163
Munich, 19.1-73; 19.7-233; 19.9-380; 19.12-424
Nellingen, 19.11-153
Rheinland-Pfalz, 19.11-19
Tuebingen, 19.3-364

(430.2) **German Democratic Republic,** 19.1-194, 226; 19.8-608; 19.9-196
Arkona, 19.1-294
Niemegk, 19.7-603; 19.11-577; 19.12-539
Potsdam, 19.1-198, 355; 19.5-81; 19.6-244; 19.11-394
Rostock, 19.2-77, 229
Schwerin, 19.1-294
Thuringia, 19.1-319
Upper Elbe Region, 19.5-313
Wahnsdorf, 19.11-268
Wingst, 19.11-577

(436) **Austria,** 19.5-319, 350; 19.6-435; 19.8-100, 410; 19.10-459; 19.12-205
Bad Aussee, 19.9-533
Grossglockner, 19.3-670
Innsbruck, 19.5-251
Neue Welt Valley, 19.7-464
Obergurgl, 19.8-344
Sonnblick, 19.3-670
Tyrol, 19.9-538
Vent, 19.5-342
Vienna, 19.3-245; 19.5-228, 268; 19.6-351; 19.9-849, 852

(437) **Czechoslovakia,** 19.4-353; 19.7-177, 471; 19.10-97, 226, 417; 19.11-52, 182; 19.12-735
Bohemia, 19.1-431; 19.4-346
Bratislava, 19.5-228
Bratislava-Koliba, 19.10-197
Budkov, 19.7-602; 19.12-542
Hradic Kralove, 19.4-179
Hurbanovo, 19.4-514; 19.10-617
Male Raztoky, 19.10-788
Moravia, 19.4-346
Ondrejov, 19.3-542
Ondrejov Obs., 19.2-484
Orava Reservoir, 19.6-783
Panska Ves, 19.1-360
Poprad, 19.5-231
Prague, 19.6-345; 19.7-470
Pruhonice, 19.7-602
Skalnate Pleso, 19.4-581; 19.6-286
Slovakia, 19.2-7; 19.7-858; 19.10-304, 314, 366
Strbske Pleso, 19.6-433

(438) **Poland,** 19.2-42; 19.5-159, 206, 234, 356; 19.6-35, 163, 793; 19.7-121, 122, 187, 412; 19.8-175, 204, 391; 19.9-393; 19.10-396, 421; 19.11-74, 458, 473, 477, 479, 495, 689; 19.12-375, 808
Baltic coast, 19.7-355
Belsk, 19.4-197; 19.9-287
Bialowieza Forest, 19.9-408
Cracow, 19.7-424; 19.10-406
Dunajec River Valley, 19.6-452
Kasprowy Wierch, 19.6-388
Kolobrzeg, 19.11-496
Kozuchy, 19.5-85
Poznan Province, 19.10-478
Rabka, 19.7-364
Raciborz, 19.3-489
Swider, 19.4-392
Szczecin Province, 19.10-478
Szeroki Island, 19.5-85
Warsaw, 19.1-162; 19.7-382, 401; 19.12-798
Zakopane, 19.11-122

39) **Hungary**, 19.1-206, 239, 301, 595; 19.2-180, 289; 19.3-6; 19.4-774; 19.6-234, 277, 380; 19.7-439; 19.8-27, 334; 19.9-226, 846; 19.12-36, 101, 140, 276, 297, 325
  Budapest, 19.1-140, 167; 19.5-220, 228; 19.6-215, 344, 453; 19.7-226
  Carpathian Basin, 19.2-597
  Ferihegy Airport, Budapest, 19.1-121
  Maros Dam, 19.11-492
  Nagycenk, 19.12-542
  Siofok, 19.1-273
  Varpalota, 19.12-148

4) France, 19.1-249; 19.3-341; 19.4-135, 724, 725; 19.5-13, 181, 339; 19.7-203; 19.8-605; 19.10-275, 428, 520,580; 19.11-286, 391, 478, 530; 19.12-38, 146
  Ardeche, 19.11-483
  Bas-Champs, 19.4-684
  Bordeaux-Merignac, 19.11-119
  Central France, 19.8-312
  Col de Porte, 19.5-325
  Corsica, 19.7-449
  Garchy, 19.9-578; 19.12-506
  Haute Provence, 19.10-580
  Haute Provence Obs., 19.4-475
  Isere, 19.7-124
  Lannion, 19.2-33
  May-sur-Orne, Calvados, 19.2-436
  Mayenne, 19.10-604
  Mont Blanc, 19.5-714
  Nancy, 19.5-545
  Paris, 19.6-214; 19.8-222
  Pic du Midi, 19.1-42
  Poitiers, 19.10-627; 19.12-460
  Romanche Valley, 19.11-267
  St. Remy, 19.4-328
  St. Santin de Maurs, 19.5-441
  Val-Joyeux, 19.8-397

5) **Italy**, 19.1-189, 249; 19.4-16, 17; 19.8-609; 19.9-291, 297, 298; 19.10-110, 479; 19.11-64
  Acqui, 19.1-304
  Cagliari, Sardinia, 19.4-303
  Casaccia, 19.9-465; 19.12-253
  Forlanini Airport, Milan, 19.5-305
  Genoa, 19.9-734; 19.12-27
  Grosetto Air Base, 19.2-72
  Ispra, 19.5-250
  Lima Valley, 19.3-210
  Lombardy, 19.2-293
  Milan, 19.8-45; 19.9-400; 19.10-169
  Piedmont, 19.2-294
  Po Valley, 19.4-303
  Punta Raisi, 19.10-301
  Rome, 19.4-487; 19.6-609; 19.8-433; 19.9-208; 19.10-434
  St. Barthelemy Valley, 19.2-298
  Sardinia, 19.7-240

(46) **Spain**, 19.9-155; 19.10-24
  Tenerife, Canary Islands, 19.5-52

(47+57) **Union of Soviet Socialist Republics**, 19.1-38, 84, 115, 123, 200, 220, 235, 300, 339, 459; 19.2-12, 110, 114, 116, 283, 604; 19.3-25, 29, 66, 331, 680, 697; 19.4-100, 131, 160, 164, 171, 309, 316, 673, 741; 19.5-30, 115, 117, 142, 454, 609, 649, 660 665, 682, 698, 700; 19.6-8, 46, 49, 66, 69, 151, 178, 187, 283, 424, 451, 465, 557; 19.7-117, 394, 581, 716, 830; 19.8-47, 124, 135, 191, 476, 484, 611, 647; 19.9-13, 37, 59, 86, 87, 92, 101, 102, 136, 197, 356, 360, 529, 562, 793, 839; 19.10-114, 283, 290, 397, 413, 447, 642; 19.11-12, 32, 62, 125, 274, 468, 499, 774, 781, 791; 19.12-33, 422, 423, 427, 430, 438, 448, 733, 820, 822, *see also* (57) *and* (985)
  Northeastern U.S.S.R., 19.1-195

(47) European U.S.S.R., 19.1-593; 19.3-288, 718; 19.4-44; 19.5-147, 160, 239; 19.6-192, 278; 19.7-832; 19.9-464, 550; 19.10-281, 394, 410, 767, 793; 19.11-82; 19.12-131, 343
  Central European U.S.S.R., 19.1-176
  Southern European U.S.S.R., 19.1-275

(470) R.S.F.S.R. (European), 19.1-279, 303; 19.4-167; 19.5-737; 19.7-89
  Borok, 19.11-574
  Bykovo, Moscow, 19.4-261
  Central Black Earth Region, 19.12-220
  Cheremshan Bay, Kuibyshev Reservoir, 19.6-778
  Dolgoprudnyi, 19.5-266
  Gorki, 19.3-117; 19.4-37, 38, 59; 19.5-262, 283, 422, 756; 19.7-820
  Gorki Reservoir, 19.4-273, 301, 755; 19.5-727
  Ilman Region, 19.5-750
  Ivankovo Reservoir, 19.6-786, 788, 790
  Kabardino-Balkarian A.S.S.R., 19.7-295; 19.10-441, 443, 446, 456; 19.11-471
  Karelia, 19.2-608
  Kazan, 19.2-450
  Kirov, 19.4-59
  Kola Peninsula, 19.2-608
  Komi A.S.S.R., 19.4-381
  Kuibyshev, 19.3-120; 19.7-838
  Kuibyshev Reservoir, 19.1-77, 212; 19.5-730, 731; 19.6-777, 782, 784, 785, 788
  Kursk Region, 19.12-818
  Lake Krasnoye area, 19.2-187
  Leningrad, 19.1-359; 19.3-3, 224;

19.4-41, 42, 210; 19.5-50, 422; 19.6-41, 180
Leningrad Region, 19.1-350, 358
Loparskaya, 19.1-337; 19.7-553
Lower Volga area, 19.9-510
Mari, 19.6-771
Middle Volga area, 19.5-729
Moscow, 19.1-95, 384, 385; 19.2-29, 594; 19.3-224, 661; 19.5-69, 223, 267, 421, 422; 19.7-387, 810; 19.9-125, 224; 19.10-789; 19.12-119
Moscow Region, 19.5-296
Moscow-Volga Canal, 19.7-96
Murmansk, 19.5-308
Nizhnedevitskaia, 19.1-306
Northern Territory, 19.5-723
Novaya Zemlya, 19.12-425
Obninsk, 19.3-606; 19.9-429
Povolzh'e, 19.3-213
Pulkovo Obs., Leningrad Region, 19.5-542
Roshchino, 19.1-348
Rostov, 19.1-365; 19.9-482
Ryazan, 19.5-362
Rybinsk Reservoir, 19.1-228; 19.3-242; 19.6-776
Saratov, 19.11-661
Saratov Reservoir, 19.5-731
Shebekino, 19.1-283
Smolensk, 19.5-368
Sogra, 19.3-478; 19.5-396, 497, 498; 19.8-578; 19.10-638; 19.11-574
Sverdlovsk, 19.5-422, 493; 19.6-226
Terskol, 19.10-292, 293
Transcaucasia, 19.5-374; 19.11-711
Tsimlyansk, 19.10-286
Uglich Reservoir, 19.6-780, 781, 788
Ural Region, 19.5-744, 745
Valdai, 19.1-282, 306, 315; 19.2-304
Valdai Region, 19.5-744
Voeikovo, 19.1-361; 19.4-333; 19.5-280
Volga Hydrometeorological Obs., 19.4-59
Volga-Vyatha Region, 19.4-379; 19.5-770
Volgograd Reservoir, 19.1-202, 204
(474.2) Estonian S.S.R., 19.7-475
Tallinsk, 19.5-372
(474.3) Latvian S.S.R., 19.6-461
(474.5) Lithuanian S.S.R.
Birzhaisk Forest, 19.1-310
(476) Belorussian S.S.R., 19.9-528
(477) Ukrainian S.S.R., 19.1-264, 290, 359, 599; 19.2-54, 55, 74, 186, 226, 242, 248, 286; 19.3-291, 351; 19.4-315, 345, 763, 764, 766; 19.5-12; 19.7-809; 19.8-334; 19.9-57, 232, 354, 512, 525, 832; 19.10-787; 19.11-10, 85, 154, 334; 19.12-69
Boguslav, 19.9-869
Crimea Region, 19.2-233; 19.6-389, 509, 766
Dniepropetrovsk Region, 19.10-3
Kakhovka, 19.6-789
Kakhovka Reservoir, 19.7-350
Kanev, 19.9-237
Katsiveh, 19.3-607
Kharkov, 19.11-629; 19.12-197
Kiev, 19.2-369; 19.3-353, 376; 19.4-155; 19.9-237, 579
Korets, 19.3-483; 19.9-633
Kremenchug, 19.6-789
Nikolayev Region, 19.10-362, 802; 19.12-44
Odessa, 19.2-141, 181; 19.4-575
Podolia, 19.9-829
Transcarpathian Region, 19.12-529
Tripole, 19.2-369
Uzhgorod, 19.9-231
Vilkovo, 19.5-772
(478.9) Moldavian S.S.R., 19.2-54; 19.3-135, 351; 19.4-315, 763, 764; 19.7-809; 19.9-525
(479.22) Georgian S.S.R., 19.3-114; 19.4-368; 19.8-9
Abastumani, 19.2-479
Alazani, 19.6-386
Dusheti, 19.7-599
Ingur Gorge, 19.10-442
Tiflis, 19.6-224; 19.7-259; 19.10-471
(479.24) Azerbaijanian S.S.R., 19.10-448
Karadag, 19.2-209
(479.25) Armenian S.S.R., 19.5-346; 19.9-508
Ararat Plain, 19.9-842
Erivan, 19.6-523
(48) SCANDINAVIA, 19.3-214; 19.7-541
(480) **Finland**, 19.1-285; 19.5-183; 19.10-439, 592
Jokioinen, 19.11-129, 283
Nurmijaarvi, 19.5-496
Sodankyla, 19.5-496; 19.11-129
Vihti, 19.2-230
(481) **Norway**, 19.1-457; 19.2-18; 19.4-116; 19.5-718; 19.11-356, 447
Andenes, 19.1-394; 19.3-409
As, 19.3-414
Dombas, 19.12-539
Haretsua, 19.10-652
Lycksele, 19.2-473
Tromso, 19.2-473, 474; 19.3-414
Trondheim, 19.5-583
(485) **Sweden**, 19.5-495; 19.8-141, 474; 19.9-806, 861; 19.11-466; 19.12-162
Abisko, 19.10-225
Kebnekaise, 19.4-730
Kiruna, 19.4-418, 487, 499; 19.7-550, 597; 19.10-619
Kristianstad, 19.12-319
Lycksele, 19.10-566
Stockholm, 19.9-563

  - Uppsala, 19.4-487; 19.6-550; 19.8-429; 19.12-238, 520
- (489) **Denmark,** 19.2-45; 19.8-607
  - Kalundborg, 19.7-516
- (491.1) **Iceland,** 19.1-76; 19.9-807, 850; 19.11-27; 19.12-23
  - Reykjavik, 19.6-530
- (492) **Netherlands,** 19.1-113; 19.7-674, 678; 19.9-154, 691, 857
  - Kruisland, 19.4-361
  - Prunje Polder, 19.7-814
  - University of Leyden, 19.5-75
- (493) **Belgium,** 19.4-89; 19.5-326; 19.8-93; 19.11-50
  - Dourbes, 19.1-386; 19.5-459; 19.8-30; 19.10-539
  - Uccle, 19.5-83; 19.7-252; 19.12-70
- (494) **Switzerland,** 19.4-721; 19.5-309; 19.6-78, 400; 19.7-123, 773; 19.8-212; 19.9-29
  - Arosa, 19.4-196
  - Davos, 19.9-379
  - Dischmatal, 19.5-247
  - Lausanne, 19.6-200
  - Locarno-Monti, 19.6-360, 459
  - Mount San Salvatore, 19.1-344
  - Upper Engadine, 19.6-74
  - Valais, 19.5-205; 19.7-772
- (495) **Greece,** 19.10-108; 19.12-804
  - Chios-Lemnos, 19.2-60
- (497.1) **Yugoslavia,** 19.5-225, 358
  - Hvar Island, 19.10-706
  - Ljubljana, 19.2-202
  - Ljubljana Airport, 19.3-107
  - Sarajevo, 19.5-171
  - Serbia, 19.5-241
  - Slovenia, 19.2-180, 321; 19.3-194; 19.5-202
- 497.2) **Bulgaria,** 19.1-112; 19.2-300; 19.3-329; 19.4-249, 437; 19.6-762, 801; 19.7-588; 19.8-44, 435, 776 - 778
  - Dimitrov Dam, Koprinka, 19.8-782
  - Novo Selo-Svishtov Region, 19.1-262
  - Sofia, 19.1-360; 19.2-223; 19.3-398; 19.4-431; 19.10-420; 19.12-147
  - Sofia Plain, 19.1-50; 19.8-785
- 498) **Rumania,** 19.1-124, 586; 19.2-257; 19.3-261; 19.6-36; 19.7-807; 19.8-143, 723, 19.9-58; 19.10-103, 609, 614; 19.11-53, 396, 399, 400; 19.12-134, 213, 221, 224, 250, 307, 339
  - Bacau, 19.11-185
  - Bucharest, 19.8-144, 316; 19.11-94, 95; 19.12-359
  - Caransebes, 19.4-292
  - Cluj, 19.7-284; 19.11-518
  - Constanta, 19.12-252
- 5) **ASIA,** 19.5-348; 19.7-329, 452
- 5-011) NEAR AND MIDDLE EAST, 19.2-320; 19.6-352, 356, 385; 19.9-530
- (5-11) EAST ASIA, 19.1-197; 19.8-11; 19.9-28
- (5-13) SOUTH ASIA, 19.9-643
- (5-17) NORTH ASIA, 19.5-175; 19.11-373
- (510) **China,** 19.3-669; 19.6-13; 19.9-396; 19.10-45; 19.11-288; 19.12-366
  - East China, 19.2-262
  - Peking, 19.6-425
  - Sinkiang, 19.6-13
  - Southwest China, 19.8-181
  - Yupehn, 19.6-169
- (512.317) **Hong Kong,** 19.4-503; 19.7-531; 19.8-313
- (512.318) **Macao,** 19.7-531
- (517.3) **Mongolia,** 19.1-242; 19.3-18; 19.9-350
- (519) **Korea,** 19.11-132
- (52) JAPAN AND ADJACENT ISLANDS, 19.6-758
- (520) **Japan,** 19.1-34 - 36, 41, 55, 115, 321; 19.2-20, 28, 34, 58, 59, 160, 200, 201, 273; 19.3-150, 188, 333, 344; 19.4-124, 425; 19.5-154; 19.6-426; 19.8-264, 604; 19.9-348, 547, 732; 19.10-111; 19.11-106; 19.12-203, 409, 418
  - Akita, 19.5-406
  - Hokkaido, 19.6-796; 19.7-429, 479; 19.9-475; 19.11-219, 593
  - Honshu, 19.2-132; 19.12-390
  - Imaichi, 19.11-523
  - Kagoshima Space Center, Uchinoura, 19.6-118
  - Kanoya, 19.8-576
  - Kanto Plain, 19.6-757
  - Kyoto, 19.3-370
  - Kyushu, 19.9-474
  - Matsushiro, 19.6-806
  - Memabetsu, 19.8-576
  - Niigata, 19.1-170; 19.7-428
  - Okuma, 19.2-102
  - Onagawa, 19.4-518
  - Osaka, 19.6-694; 19.7-223; 19.11-290
  - Owase City, 19.9-266
  - Sekigahara, 19.12-380
  - Sendai, 19.9-222
  - Shihoku, 19.12-406
  - Tadami, 19.6-422
  - Tanegashima, 19.6-264
  - Teshio District, 19.12-403
  - Tohoku, 19.7-324
  - Tokamachi, 19.9-516
  - Tokoyo, 19.2-234, 480; 19.5-301; 19.10-311
  - Toyokawa, 19.10-508
  - Yamagawa, 19.6-486
- (529.1) **Taiwan (Formosa),** 19.4-46; 19.7-455; 19.10-256; 19.12-128
  - Chung-Ho Hsiang, 19.4-371
  - Fengshan-Touchien River Valley, 19.4-370
  - Hualien, 19.10-253
  - Ilan, 19.6-404
  - Itabashi, 19.2-432

  Taipei, 19.4-263
  Yangmingshan, 19.4-369
(529.8) **Pescadores**
  Lanyu, 19.5-248
  Pengchiayu, 19.5-248
  Penghu, 19.5-248
(53) ARABIA, 19.2-310
(532) **Saudi Arabia**, 19.4-647
(536.5) **Bahrein**, 19.5-56
(54) INDO-PAKISTAN SUBCONTINENT, 19.6-282; 19.10-9
  Indus Valley, 19.9-151
(540) **India**, 19.3-170, 470; 19.4-199, 218, 246, 248, 258, 264, 269, 306, 307, 339, 343, 458, 522; 19.5-129; 19.6-231, 252, 401, 405, 409, 498; 19.7-112, 343, 354, 399, 419, 750, 840; 19.8-21, 140, 179, 185, 439, 728, 792; 19.9-138, 624; 19.10-119, 603; 19.11-73, 243, 348, 505; 19.12-6
  Agartala, 19.4-79, 80
  Ahmedabad, 19.4-295, 402, 448
  Alibag, 19.5-493
  Andhra Pradesh, 19.7-849
  Assam, 19.7-844, 845
  Bangalore, 19.4-430; 19.6-314
  Bihar, 19.6-408; 19.7-418
  Bombay, 19.3-153; 19.4-152; 19.7-114
  Calcutta, 19.6-403
  Colaba, 19.12-28
  Damodar Valley, 19.7-417
  Delhi, 19.4-78; 19.6-175, 378; 19.10-294
  Dharwar, 19.4-362
  Dum Dum Airport, Calcutta, 19.7-293
  East Punjab, 19.5-633; 19.9-822
  Gauhati, 19.4-308
  Haringhata, 19.4-405
  Hyderabad, 19.5-699; 19.6-476
  Jodhpur, 19.4-236
  Kamptee, 19.4-360
  Kerala State, 19.4-686
  Kodaikanal, 19.5-504
  Konkan Coast, 19.6-177
  Lower Bihar, 19.6-258
  Madhya Pradesh, 19.6-408; 19.7-418; 19.8-177
  Madras, 19.4-265, 340; 19.6-768
  Nagpur, 19.4-260
  New Delhi, 19.6-107
  Northeast India, 19.4-223
  Northwest India, 19.2-126; 19.7-842
  Poona, 19.4-349; 19.7-282
  Rajasthan, 19.7-406, 408
  Ramgarh, 19.4-769
  Shillong, 19.3-189
  Sinhagad, 19.7-156
  South Keraba, 19.7-846
  Thumba, 19.6-131, 484, 485; 19.8-527
  Uttar Pradesh, 19.4-236; 19.6-407; 19.9-506
  Waltair, 19.4-428; 19.7-261
(541.35) **Nepal,** 19.2-41
  Barakahshetra, 19.6-406
(548.7) **Ceylon,** 19.10-9, 254
(549) **Pakistan,** 19.3-677, 678, 724
  Lahore, 19.3-678
  Mangla Dam, 19.7-811
  Punjab, 19.11-813
  Sonmiani, 19.8-394
(55) **Iran,** 19.10-102, 533
  Tehran, 19.10-581
(56) SOUTH WEST ASIA, 19.2-310
  Euphrates River Valley, 19.11-811
(560) **Turkey,** 19.5-773; 19.7-321
  Ankara, 19.6-550
  Istanbul, 19.11-611
(567) **Iraq,** 19.7-321
(569.1) **Syria,** 19.7-321
(569.3) **Lebanon,** 19.7-321
  Beirut, 19.4-768
(569.4) **Israel,** 19.6-190; 19.7-321; 19.8-423; 19.9-103, 198, 523; 19.10-427
  Gilat, 19.2-611
  Jerusalem, 19.8-420, 433; 19.11-453
  Lod Airport, 19.8-453
(569.5) **Jordan**
  Azraq, 19.6-291
(57+47) **Union of Soviet Socialist Republics,** *see* (47 + 57)
(57) Asiatic U.S.S.R., 19.2-603, 605, 606; 19.3-22
  Central Asiatic U.S.S.R., 19.3-299; 19.4-314, 365, 750; 19.5-169; 19.12-770
  Northeastern Asiatic U.S.S.R., 19.1-234; 19.5-176
(571) Asiatic R.S.F.S.R. (Siberia), 19.6-104; 19.9-369; 19.11-710; 19.12-125, 440, 442, 800
  Bratsk Reservoir, 19.2-595
  Cape Lopatka, 19.11-397
  Cape Sterlegov, 19.2-204
  Central Yakutia, 19.12-251
  Chita, 19.12-227
  Dickson Island, 19.1-276; 19.8-82
  Eastern Siberia, 19.3-696; 19.4-149; 19.6-767
  Irkutsk, 19.2-450
  Kamchatka Region, 19.8-62
  Khabarovsk, 19.5-266
  Khabarovsk Region, 19.7-829
  Krasnoyarsk, 19.9-234
  Kulunda, 19.12-789
  Kuril Islands, 19.11-23
  Maritime Territory, 19.8-347, 348; 19.11-799
  Novosibirsk, 19.11-498; 19.12-150, 227, 802
  Novosibirsk Reservoir, 19.1-174, 202, 205, 224
  Obninsk, 19.12-197
  Oimiansk, 19.1-230

- Oimyakon, 19.1-213
- Omsk, 19.1-100
- Pavlovsk, 19.5-493
- Sakhalin, 19.7-818; 19.8-50, 349; 19.11-18
- Sayan, 19.9-234
- Soviet Far East, 19.4-149, 163; 19.11-413; 19.12-47
- Sverdlovsk, 19.2-450
- Taiga Region, 19.7-421
- Tiumen Region, 19.11-804
- Ulan-Ude, 19.5-741
- Vasyuganye Region, 19.12-133
- Verkhoyansk, 19.1-230
- Western Siberia, 19.2-607; 19.3-237; 19.4-44, 272; 19.11-364, 424; 19.12-219, 248, 282
- Yakut, 19.3-725
- Yakutsk, 19.1-417; 19.3-471; 19.4-445; 19.5-414; 19.7-597

- (574) Kazakh S.S.R., 19.3-237; 19.4-44; 19.5-751; 19.6-263, 745; 19.7-371; 19.10-372, 404, 437, 454, 778, 791, 798, 800; 19.11-184, 190, 195, 206; 19.12-125, 413
  - Alma Ata, 19.1-388; 19.5-430, 595; 19.8-470
  - Golodnaya Steppe, 19.3-271
  - Kokchetav Region, 19.6-797
  - Kyzyl-Kum, 19.6-16
  - Northern Kazakh S.S.R., 19.1-275; 19.12-219
  - Southern Kazakh S.S.R., 19.12-251
- (575.1) Uzbek S.S.R., 19.12-775, 776
  - Dukant, 19.11-358, 467
  - Kyzyl-Kum, 19.6-16
  - Tamdy, 19.1-100
  - Tashkent, 19.1-388; 19.2-210; 19.5-275; 19.6-226
- (575.2) Kirghiz S.S.R., 19.5-328; 19.9-519
- (575.3) Tadzhik S.S.R.
  - Bakhsh Valley, 19.4-317
  - Dushanbe, 19.4-575
- (575.4) Turkmenian S.S.R., 19.10-398
  - Ashkhabad, 19.2-376, 380, 415; 19.11-574
  - Kara-Bogaz-Gol, 19.11-397
- (58) CENTRAL ASIA, 19.4-751; 19.10-10
- (59) SOUTH EAST ASIA, 19.1-261, 299; 19.2-256; 19.7-445; 19.9-223; 19.10-364
- (593) **Thailand**, 19.7-84; 19.9-109; 19.10-23; 19.11-87, 500; 19.12-163
  - Bangkok, 19.7-531
- (595) **Malayasia**, 19.3-283; 19.5-304
- (595.13) **Singapore**, 19.2-365; 19.6-349; 19.7-531
- (596) **Cambodia**, 19.7-362; 19.10-23
- (597) **Vietnam**, 19.9-161, 643; 19.10-23
- (597.3) **South Vietnam**, 19.5-612; 19.9-541; 19.10-719; 19.11-188; 19.12-123
- (598) **Laos**, 19.6-54; 19.10-23
- (6) **AFRICA**, 19.2-6; 19.4-408; 19.8-728; 19.11-15, 16, 317
- (61) NORTH AFRICA, 19.3-184; 19.6-68
- (611) **Tunisia**, 19.6-76
- (612) **Libya**
  - Sebkha, 19.5-764
- (620) **Egypt**, 19.4-647; 19.5-333
  - Wadi El-Natrun, 19.4-762
- (624) **Sudan**, 19.10-419
  - Gezira, 19.3-39, 19.10-470
- (63) **Ethiopia**
  - Dallol, 19.9-391
  - Debre Zeit, 19.10-585
- (64) **Morocco**, 19.1-193
- (647) **Spanish possessions on North African coast**, 19.9-155
- (648) **Spanish possessions in West Africa**
  - Guelta, 19.5-764
- (65) **Algeria**, 19.9-409
- (66) WEST AFRICA, 19.8-13
- (661) SAHARA REGION, 19.3-296
  - Hammaguir, 19.8-237
- (664) **Sierra Leone**
  - Kogia Hill, 19.8-65
- (666.8) **Ivory Coast**, 19.11-658
- (669) **Nigeria**, 19.11-658
  - Ibadan, 19.8-538
  - Lagos, 19.9-448
- (67) EQUATORIAL AND CENTRAL AFRICA, 19.8-13; 19.9-478
- (676) EAST AFRICA, 19.9-345
- (676.2) **Kenya**, 19.1-271; 19.2-302; 19.5-51
  - Kericho, 19.11-240
  - Nakuru-Elmenteita, 19.5-344
- (677) **Somalia**, 19.2-43; 19.3-611
- (679) **Mozambique**, 19.12-782
- (68) SOUTHERN AFRICA, 19.10-358
- (680) **South Africa**, 19.2-291; 19.4-130, 168; 19.5-79; 19.8-434, 563; 19.9-476, 504, 505; 19.10-104, 416; 19.12-361
  - Bloemfontein, 19.1-207
  - Cape Town, 19.5-80
  - Durban, 19.8-493
  - Johannesburg, 19.7-231
  - Natal, 19.1-286
  - Pretoria, 19.2-151; 19.7-231
- (681) **Botswana**, 19.12-361
- (683.4) **Swaziland**, 19.10-104
- (686.1) **Lesotho**, 19.10-104
- (688) **South West Africa**, 19.12-361
- (69) AFRICAN ISLANDS OF INDIAN AND SOUTH ATLANTIC OCEANS
- (691) **Malagasy Republic**
  - Tananarive, 19.1-433
- (698.2) **Mauritius**, 19.1-43
- (699) SOUTHERN OCEAN ISLANDS, 19.2-193; 19.11-126
- (699.1) **South Indian Ocean outlying islands**
  - Kerguelen Islands, 19.3-478; 19.4-520; 19.5-396, 497, 498; 19.8-389, 578; 19.9-271; 19.10-638
  - Marion Island, 19.10-104

(699.2) **St. Helena** (and dependencies)
  Ascension Island, 19.4-268; 19.5-235
  Gough Island, 19.10-104
(7) **NORTH AMERICA,** 19.1-172; 19.2-322; 19.4-311; 19.5-68; 19.6-168, 217, 279; 19.7-246; 19.9-11, 557; 19.10-302; 19.12-315, 397
  GREAT PLAINS AREA, 19.4-754
(7-15) WESTERN NORTH AMERICA, 19.5-509
(71) **Canada,** 19.1-52, 235, 249, 397; 19.2-36, 483; 19.4-15, 23; 19.5-553; 19.6-734; 19.7-319, 368, 523; 19.8-469, 603, 751; 19.9-16, 46, 60, 517; 19.10-54, 59, 113; 19.11-47; 19.12-43, 107, *see also* (268.75) *and* (987)
(71-15) Western Canada, 19.6-354
(71-191.2) Central Canada, 19.1-320
  West Central Canada, 19.5-437
(711) British Columbia, 19.6-402; 19.7-286; 19.8-735; 19.11-370
  Mt. Seymour, 19.12-407
(712.1) Yukon Territory, 19.11-370
(712.2) Northwest Territories
  Baffin Island, 19.5-736
    Decade Glacier, 19.2-306
  Devon Island, 19.3-671; 19.4-722
  Hazen Camp, 19.2-222, 309
  Keewatin, 19.10-279
  Melville Island, 19.7-763
  Murchison Bay, 19.4-487
  Shepherd Bay, 19.5-449
  White Glacier, Axel Heiberg Island, 19.1-583
(712.3) Alberta, 19.2-263, 316; 19.6-170, 402; 19.10-449, 469; 19.11-465
  Kananaskis, 19.9-446
  Meanook, 19.5-508
  Suffield, 19.1-139
(712.4) Saskatchewan, 19.1-407; 19.2-315; 19.6-402
  Saskatoon, 19.7-493
(712.7) Manitoba
  Churchill, 19.1-165, 398, 419; 19.2-330, 404; 19.4-555; 19.5-436; 19.6-495; 19.7-545, 552, 555, 556, 575; 19.8-259, 544; 19.10-566, 595; 19.12-522
(713) Ontario, 19.3-24; 19.11-220
  Bainsville, 19.8-427
  Chalk River, 19.2-312; 19.10-353
  Douglas Point, 19.4-290
  Dunlap Obs., Toronto, 19.5-541
  Guelph, 19.1-280
  Hamilton, 19.2-107; 19.7-235
  London, 19.1-109; 19.2-97
  Malton, 19.1-323
  Ottawa, 19.3-354; 19.4-290
  Petawawa, 19.1-325
  Toronto, 19.5-88
(714) Quebec, 19.3-358; 19.7-212; 19.11-232
  Baie St. Paul, 19.6-511
  Brebeuf College Geophysical Obs., Montreal, 19.2-329, 353
  Great Whale River Region, 19.11-579; 19.12-533
  Mont. Ste-Hillaire, 19.10-85
  Montreal, 19.10-299
(715) New Brunswick
  Moncton, 19.7-180
(718) Newfoundland
  Labrador, 19.3-214
  Torbay, 19.4-277
(72) **Mexico,** 19.8-211, 455; 19.9-67, 531; 19.11-524, 688, 782
(728) CENTRAL AMERICA, 19.6-217; 19.7-35; 19.8-455; 19.12-362
(728.4) **El Salvador,** 19.8-438
(728.7) **Panama,** 19.4-304; 19.6-112; 19.7-120; 19.9-64; 19.11-130
(728.79) **Panama Canal Zone,** 19.9-479
(729) CARIBBEAN REGION, 19.3-55, 167, 180, 186; 19.4-325; 19.7-35; 19.8-455; 19.9-404; 19.12-420, 426
(729.1) **Cuba,** 19.3-294
(729.2) **Jamaica,** 19.12-363, 439
(729.5) **Puerto Rico,** 19.4-401; 19.6-807; 19.7-425, 533
  Arecibo, 19.2-410; 19.4-459; 19.7-522; 19.9-573; 19.10-580; 19.12-371
(729.61) **Bahamas,** 19.10-31
(729.71) **American Virgin Islands,** 19.6-807
(729.86) **Barbados,** 19.1-269; 19.3-155; 19.10-403, 464, 468
(729.87) **Trinidad,** 19.7-366
  St. Augustine, 19.12-821
(73) **United States,** 19.1-4, 7, 38, 39, 84, 123, 126, 127, 249, 311; 19.2-59, 123, 177, 334; 19.3-5, 55, 64, 76, 108, 131, 136, 140, 346, 428, 721; 19.4-15, 18, 33, 52, 58, 63, 81, 122, 150, 202, 517, 601, 615, 740; 19.5-29, 157, 314, 615; 19.6-182, 183, 185, 186, 188, 207, 641, 807; 19.7-194, 204, 425, 432, 714, 792; 19.8-42, 43, 66, 96, 200, 201, 207, 208, 215, 233, 238, 350, 401, 614, 696, 698; 19.9-15, 48, 56, 61 - 63, 68, 149, 156, 239, 336, 509, 515, 725; 19.10-32, 33, 47, 115, 295, 645, 796; 19.11-55, 114, 191, 211, 231, 262, 363, 435; 19.12-24, 31, 35, 104, 106, 120, 139, 283, 306
  East Coast, 19.7-444
  Great Plains, 19.6-333
(73-11) Eastern U.S., 19.2-177; 19.3-100; 19.6-255, 441; 19.11-79; 19.12-174
(73-13) Southern U.S., 19.2-177
(73-14) Southwestern U.S., 19.9-580
(73-15) Western U.S., 19.2-237; 19.7-403; 19.8-289, 412; 19.9-503; 19.11-229
(73-18) Northeastern U.S., 19.9-373; 19.10-423; 19.11-83
(73-191.2) Central U.S., 19.2-119; 19.5-107; 19.9-433; 19.10-429; 19.11-45, 93

(74) Northeastern (New England) States, 19.2-144; 19.5-78; 19.6-201, 281; 19.11-33, 250, 451, 464; 19.12-370, 373
(741) Maine, 19.3-691
(742) New Hampshire, 19.2-288
  Hanover, 19.7-489
(744) Massachusetts, 19.3-380; 19.4-157
  Bedford, 19.2-412
  Millstone Hill, 19.11-542
  Round Hill Field Station, 19.1-246
  Sudbury, 19.5-74
  Vineyard Sound, 19.2-179
(747) New York, 19.5-57, 691; 19.7-447; 19.8-784; 19.9-719; 19.12-280
  Brookhaven, 19.9-181
  Long Island, 19.3-228; 19.6-427; 19.7-254; 19.10-450
  New York City, 19.3-138; 19.4-98, 153; 19.8-437; 19.10-117; 19.11-456; 19.12-445
  Scarsdale, 19.7-446
  Shrub Oak, 19.5-28
  Suffolk County, 19.10-483
  Suffolk County Air Force Base, Long Island, 19.6-57
(748) Pennsylvania, 19.1-49; 19.5-46; 19.7-423
  Chambersburg, 19.1-223
  Cumberland Valley, 19.12-122
  Philadelphia, 19.6-116
  Pittsburgh, 19.11-204
  Williamsport, 19.12-389
(749) New Jersey, 19.5-57, 691; 19.6-761; 19.7-228; 19.10-368
  Atlantic City, 19.3-138
  Island Beach, 19.4-348
  Princeton, 19.6-449
(75) Southeastern (South Atlantic) States, 19.2-144
(752) Maryland, 19.9-344
  Cheltenham, 19.2-425
  Cumberland Valley, 19.12-122
(753) District of Columbia (Washington), 19.2-29; 19.5-289; 19.6-501; 19.7-366; 19.9-606
(754) West Virginia, 19.8-442
  Berkeley County, 19.6-434
  Kearneysville, 19.7-56
(755) Virginia, 19.12-358
  Fredericksburg, 19.4-518
  George Washington National Forest, 19.9-108
  Norfolk, 19.3-124
  Richmond, 19.7-427
  Wallops Island, 19.3-250; 19.6-477; 19.8-259; 19.9-425, 430; 19.10-389
(756) North Carolina, 19.12-358
  Franklin, 19.4-348
  Raleigh, 19.9-387
(757) South Carolina, 19.1-72; 19.5-763; 19.9-532; 19.12-247
(759) Florida, 19.1-588; 19.3-292; 19.5-384; 19.7-288; 19.8-189, 309; 19.9-346, 481; 19.12-207
  Cape Kennedy, 19.4-93; 19.9-315
  Kennedy Space Center, 19.10-131, 132
  Lower Matecumbe Key, 19.3-197
  Miami, 19.3-151; 19.10-263; 19.12-254
  Tallahassee, 19.7-313
  Tampa, 19.12-103, 105
(76) Southern Central (Gulf) States, 19.8-180; 19.12-126
  Tennessee Valley, 19.12-122
(761) Alabama, 19.7-75
(762) Mississippi, 19.7-75; 19.8-436
  Harrison County, 19.11-14
(763) Louisiana, 19.5-53, 54; 19.6-75; 19.7-75
  Mississippi Delta, 19.7-289
  New Orleans, 19.3-232
(764) Texas, 19.1-110, 190, 317, 594; 19.2-173, 573; 19.5-245; 19.8-409; 19.10-422; 19.11-354
  Edwards Plateau, 19.6-803
  El Campo, 19.1-470
  Fort Worth, 19.10-351
  Palestine, 19.4-72; 19.5-148; 19.8-555
  Pecos area, 19.8-454
  Port Arthur, 19.8-304
  Riesel, 19.7-396
  Rio Grande Valley, 19.10-463
(766) Oklahoma, 19.1-314; 19.7-437; 19.12-310
  Oklahoma City, 19.12-103
(767) Arkansas
  Fayetteville, 19.4-347; 19.9-301
(768) Tennessee
  Memphis, 19.8-174
  Oak Ridge, 19.3-676
(769) Kentucky, 19.4-367
(77) North Central (Lake) States, 19.2-290; 19.10-276
(771) Ohio, 19.4-285; 19.10-373
  Akron, 19.8-375
  Coshocton, 19.7-396
(772) Indiana
  Fort Wayne, 19.3-223
  La Porte, 19.5-307; 19.11-253
(773) Illinois, 19.1-53, 284; 19.6-804; 19.7-205, 405; 19.10-453; 19.11-120, 155, 355, 472; 19.12-164
  Argonne, 19.11-7
  Argonne National Laboratory, 19.4-342
  Chicago, 19.4-481; 19.6-415; 19.11-266
  Kankakee, 19.5-76
  Lemont, 19.7-365
(774) Michigan 19.1-302; 19.3-20; 19.4-285; 19.7-485; 19.10-373
  Ann Arbor, 19.8-375, 689
  Ottawa County, 19.4-342

(775) Wisconsin, 19.3-68; 19.4-183; 19.9-363, 364
(776) Minnesota, 19.1-295; 19.5-158; 19.6-398; 19.11-437
  Bemidji, 19.1-129; 19.3-279
  Christmas Lake, 19.1-587
  Crookston, 19.8-97
(777) Iowa, 19.11-430
(778) Missouri, 19.1-70, 295; 19.6-795; 19.8-443; 19.11-236, 241, 427
  Columbia, 19.10-291
  Kansas City, 19.2-25; 19.12-137
  McCredie, 19.9-93
  St. Louis, 19.10-180; 19.11-450
  West Plains, 19.12-454
(78) Western (Mountain) States, 19.2-284
(781) Kansas, 19.1-590; 19.2-591; 19.6-756
  Topeka, 19.8-188; 19.9-347; 19.10-264
(782) Nebraska, 19.2-591; 19.6-756
  Hemingford, 19.10-271
  North Platte Airport, 19.1-210
  Omaha, 19.10-351
(783) South Dakota, 19.2-302; 19.7-437; 19.9-249, 466, 502; 19.10-453; 19.11-228, 248
  Black Hills, 19.6-276
  Lead, 19.8-564
  Rapid City, 19.4-384
  Sioux Falls, 19.1-422; 19.3-436
(784) North Dakota, 19.11-230
  Dickinson, 19.7-459
(786) Montana, 19.4-366; 19.5-385, 445
  Grinnell Glacier, 19.3-355
  Helena, 19.3-124; 19.10-171
(787) Wyoming, 19.3-705
  Teton Glacier, 19.1-582
(788) Colorado, 19.2-302, 599, 600; 19.3-295; 19.4-758; 19.5-742; 19.6-261; 19.7-437; 19.8-464; 19.9-466; 19.10-501; 19.11-248; 19.12-392, 446
  Berthoud Pass, 19.3-323
  Boulder, 19.5-395; 19.6-487; 19.8-642; 19.11-69
  Climax, 19.2-421; 19.4-481; 19.7-210
  Denver, 19.1-120; 19.12-817
  Ft. Collins, 19.8-45
  Rabbit Ears Pass, 19.11-247
  Rocky Mountain National Park, 19.6-430
  Ute Mountain Indian Reservation, 19.5-15
(789) New Mexico, 19.6-97; 19.10-274; 19.12-126, 810
  Alamogordo Creek, 19.9-858
  Jicarilla Apache Indian Reservation, 19.4-757
  Tucumcari, 19.1-75
  Ute Mountain Indian Reservation, 19.5-15
  White Sands, 19.2-4; 19.6-323, 346; 19.8-106, 217; 19.9-469
(79) Pacific States, 19.4-239
(791) Arizona, 19.3-267; 19.5-229; 19.7-201; 19.8-202; 19.10-274, 601; 19.12-364, 367
  Flagstaff, 19.11-461
  Tucson, 19.3-586; 19.8-234; 19.12-457
  Walnut Gulch, 19.7-410
  Yuma, 19.9-597; 19.10-387
  Yuma Proving Ground, 19.1-65
(792) Utah, 19.6-261; 19.11-793
  Clear Lake Springs, 19.1-596
  Salt Lake County, 19.9-843; 19.12-29, 72
  Weber Delta District, 19.6-805
(793) Nevada, 19.2-426; 19.3-267
  Reno, 19.12-352
(794) California, 19.1-426; 19.2-593; 19.3-267; 19.7-345, 457, 466, 469; 19.8-276, 411, 422, 717, 726; 19.10-172, 252; 19.12-392
  Independence, 19.7-358
  Los Angeles, 19.3-138; 19.4-77; 19.9-452; 19.11-343
  Madera, 19.6-274
  Mojave Desert, 19.2-287; 19.6-429
  Monterey, 19.9-723
  Placer County, 19.10-15, 458, 476, 477; 19.11-792
  Point Mugu, 19.7-218
  Port Arguello, 19.5-690
  San Diego, 19.9-726
  San Francisco, 19.8-265
  San Vicente Reservoir, 19.3-637
  Santa Monica, 19.9-315
(795) Oregon, 19.1-237
  Eola-Amity Hills, 19.8-783
  Mt. Hood, 19.12-393
  The Dalles, 19.5-765
(796) Idaho, 19.3-300; 19.8-444; 19.10-408
  American Falls Reservoir, 19.4-760
  Idaho Falls, 19.12-80
(797) Washington, 19.6-432
  King County, 19.7-825; 19.10-782
  Paine Field, 19.11-46
  Tatoosh Island, 19.7-179
(798) Alaska, 19.3-214; 19.5-327; 19.6-338, 530, 747; 19.8-575; 19.11-507, 759, 769, 773
  Anchorage, 19.11-221
  Annette Island, 19.7-179
  Barrow, 19.1-570; 19.10-191
  Cape Thompson, 19.7-795
  College, 19.1-402; 19.3-386, 474, 479, 486; 19.4-469; 19.5-496; 19.7-557, 598
  Cordova Bay, 19.3-650
  Fairbanks, 19.1-398; 19.6-316, 420; 19.9-593; 19.12-341
  Fort Greely, 19.5-265
  Kotzebue, 19.4-515; 19.11-573
  Ogotoruk Creek, 19.7-795, 801
  St. Lawrence Island, 19.6-438
  Sitka, 19.3-474
  Woody Island, 19.7-426

(8) **SOUTH AMERICA,** 19.4-423; 19.9-53, 478; 19.11-140
  WEST COAST, 19.7-453
(8-15) WESTERN SOUTH AMERICA, 19.11-79
(81) **Brazil,** 19.8-612, 19.11-54; 19.12-30
  Bage, 19.6-575
  Parana, 19.7-768
(82) **Argentina,** 19.3-16; 19.10-112
  Cordillera, 19.3-235
  Cordoba, 19.2-53
  La Pampa, 19.1-326
  Tartagal, 19.7-247
(83) **Chile,** 19.8-575, 732
(84) **Bolivia,** 19.8-606; 19.12-531
(85) **Peru,** 19.8-497
  Casa Grande, 19.9-10
  Huancayo, 19.2-425; 19.7-533; 19.8-572
  Jicamarca, 19.4-417; 19.7-509
  Puerto Chicama, 19.9-10
  Santa Valley, 19.3-347
(861) **Colombia,** 19.2-17
(866) **Ecuador,** 19.2-208; 19.9-43, 47; 19.12-531
  Galapagos Islands, 19.11-123
(87) **Venezuela,** 19.9-340; 19.10-475
  Caracas, 19.9-332
(881) **Guyana,** 19.2-17; 19.8-461; 19.9-105, 507; 19.12-420
(882) **French Guiana,** 19.10-8
(883) **Surinam,** 19.2-17; 19.9-507
(9) **AUSTRALASIAN, OCEANIAN, ARCTIC AND ANTARCTIC REGIONS**
(910) **Indonesia,** 19.8-516
  Hollandia, 19.3-461
(914) **Philippines,** 19.10-257
(93) AUSTRALASIAN AND MELANESIAN TERRITORIES, 19.4-425
(931) **New Zealand** (and dependencies), 19.3-37; 19.4-376; 19.5-322, 347, 507, 553; 19.6-763; 19.7-155, 414; 19.12-777
  Auckland, 19.6-390; 19.9-607
  Bluff, 19.4-466; 19.10-578
  Campbell Island, 19.7-543
  Canterbury, 19.5-757
  Chilton Valley, 19.6-397
  Christchurch, 19.2-425; 19.6-536
  Invercargill, 19.9-607
  Taita, 19.6-363
  Waikato Basin, 19.1-318
(934) **New Hebrides**
  Port Vila, 19.7-413
(94) **Australia,** 19.1-45, 94, 169, 305; 19.3-2, 158, 428, 509; 19.4-127, 129, 220, 425, 599; 19.5-40, 180; 19.6-162, 166; 19.7-255, 256, 340, 356; 19.8-203, 213; 19.10-486, 618; 19.11-226, 454; 19.12-170, 338
  Ashmore Island, 19.4-117
(94-17) Northern Australia, 19.11-327
(941) Western Australia
  Kununurra, 19.7-92
  Watheroo, 19.11-569
(942) South Australia
  Salisbury, 19.7-478
  Woomera, 19.6-194, 581; 19.7-502; 19.12-652
(943) Queensland
  Brisbane, 19.9-590
(944) New South Wales, 19.7-848
  Hay, 19.3-226; 19.11-260
  Newcastle, 19.6-536
  Parkes, 19.11-627
(945) Victoria, 19.6-748
  Aspendale, 19.12-65
  Kerang, 19.3-231
  Melbourne, 19.2-29; 19.6-399
  Wimmera-Mallee, 19.8-210
(946) Tasmania, 19.1-580; 19.8-369
  Macquarie Island, 19.3-486; 19.4-515; 19.7-598; 19.11-573
    Davis, 19.1-28
(948) Northern Territory
  Alice Springs, 19.2-217
  Gosses Bluff, 19.1-495
  Katherine, 19.8-402
(96) POLYNESIA AND MICRONESIA, 19.3-63, 129; 19.5-40; 19.11-493
  Palmyra Island, 19.9-122
  Wake Island, 19.5-61
(961.4/.5) **Ellice and Phoenix Islands**
  Canton Island, 19.3-199; 19.6-349
(962.1) **Society Islands,** 19.8-499
(966.1) **Caroline Islands**
  Koror, 19.3-461
(967.2) **Guam,** 19.3-461
(968.1) **Marshall Islands,** 19.7-274
  Kwajalein, 19.3-50
(968.2) **Gilbert Islands**
  Christmas Island, 19.9-122
  Fanning, 19.9-122
(969) **Hawaii Islands,** 19.1-503; 19.2-475; 19.4-382, 434, 472; 19.6-610; 19.8-167, 766; 19.9-311, 566
  Haleakala, 19.7-298
  Haleakala Obs., 19.2-419
  Hilo, 19.4-324
  Kauai, 19.1-81
  Maui, 19.12-144
  Mauna Kea, 19.3-585
  Mauna Loa, 19.4-324; 19.5-378; 19.8-324
(97:261.5) **Atlantic Islands**
  Bird Island, 19.11-126
  King Edward Point, 19.11-126
(98/99) POLAR (ARCTIC AND ANTARCTIC) REGIONS, 19.3-97, 469; 19.9-20, 159, 282, 405; 19.10-30, 542; 19.11-8, 570; 19.12-14, 261, 311, 395, *see also* (268) *and* (269)
(98) ARCTIC, 19.2-3, 80, 163, 195; 19.3-449, 493; 19.4-56, 254, 728; 19.5-209, 351, 490, 713; 19.6-298; 19.7-609; 19.8-256, 276; 19.9-406;

19.10.11, 28, 36; 19.11-136, 398, 541; 19.12-195, 415
  Hays Island, 19.1-396

(984) **European Arctic sector,** *see also* (480), (481) *and* (485)
  Murchison Bay, Spitsbergen, 19.7-331
  Spitsbergen, 19.5-740; 19.10-225
  Svalbard, 19.10-101

(985) **Soviet Arctic sector,** 19.5-491; 19.11-392, 775, *see also* (47 + 57)

(987) **American Arctic sector,** 19.8-751; 19.11-43, *see also* (712.1), (712.2) *and* (798)
  Canadian Arctic, 19.6-12

(988) **Greenland,** 19.3-336; 19.4-718, 724, 731, 732; 19.5-721; 19.6-725; 19.7-71; 19.10-467, 773; 19.11-224; 19.12-312
  Camp Century, 19.2-584, 589
  Egedesminde, 19.9-160
  Nord, 19.9-160
  Thule, 19.7-366, 433; 19.12-410

(99) **ANTARCTICA,** 19.1-28, 29, 30, 221; 19.2-3, 20, 30, 31, 75, 78, 80, 130, 195, 258, 297, 324, 327, 335, 552, 588; 19.3-11, 46, 147, 169, 230, 234, 312, 317, 359, 399, 493; 19.4-54, 56, 57, 92, 129, 138, 219, 297, 412, 441, 444, 452, 496, 545, 551, 557; 19.5-37, 40, 181, 209, 233, 340, 402, 478, 716, 719; 19.6-34, 48, 117, 414, 421, 506, 530, 538, 552, 653, 722 - 724; 19.7-126 - 128, 435, 609, 760, 769; 19.8-98, 112, 276, 364, 580, 715; 19.9-36, 54, 406, 592, 821; 19.10-37, 104, 769, 773, 777; 19.11-9, 70, 134, 136, 368, 393, 746, 776; 19.12-151, 158, 193, 194, 198, 201, 204, 226, 228, 232, 233, 243, 246, 262, 399, 415, 458, 468, 759
  Adelie Land, 19.3-673; 19.9-805; 19.12-434
  Amundsen - Scott Base, 19.1-133
  Anvers Island, 19.4-733
  Byrd Station, 19.3-142, 149; 19.4-464, 524; 19.8-578; 19.11-579; 19.12-419, 533
  Cape Hallett, 19.7-559
  Douzhba, 19.3-65
  Dumont d'Urville, 19.7-511; 19.12-514
  East Antarctica, 19.1-276; 19.7-434
  Eights Station, 19.2-299; 19.6-511; 19.7-610
  Ellsworth Land, 19.2-32
  Lazarev, 19.3-303, 410
  Lazarev Ice Shelf, 19.3-666
  Little America V, 19.12-419
  McMurdo Station, 19.4-102; 19.5-449; 19.12-391
  Maudheim, 19.3-201
  Mawson, 19.4-715; 19.8-550; 19.9-274; 19.10-367; 19.11-515; 19.12-318
  Mir, 19.3-65
  Mirny, 19.1-396; 19.2-227, 296, 390; 19.3-65, 204, 404, 410, 476, 484; 19.8-507; 19.9-268; 19.10-506
  Mirny - Komsomolskaya Route, 19.3-310, 325
  Molodezhnaya, 19.3-215
  Norway Station, 19.4-372
  Novolazarevskaya Station, 19.3-201, 411, 459, 667
  Palmer Station, 19.4-87
  Plateau Station, 19.4-48, 91, 241, 375, 464, 524; 19.8-451
  Pobeda, 19.3-65
  Pobeda Island, 19.3-302
  Port Lockroy, 19.4-445
  Ross Ice Shelf, 19.12-379, 408
  SANAE Station, 19.4-372
  Schirmacher Ponds, 19.3-201, 667
  Showa Base, 19.2-433; 19.10-116, 640; 19.12-286, 534
  South Pole, 19.5-191
  South Pole Station, 19.4-186, 524
  Sovetskoye Plateau, 19.3-313
  Taylor Valley, 19.7-762
  Victoria Land, 19.7-787; 19.8-752
  Videla Station, 19.12-78
  Vostok, 19.1-369; 19.2-227, 349; 19.3-381, 410, 476; 19.5-411
  Western Antarctica, 19.3-309
  Wilkes Land, 19.7-565; 19.10-586

METEOROLOGICAL AND GEOASTROPHYSICAL ABSTRACTS

MALCOLM RIGBY, EDITOR

Volume 19, 1968

Published monthly at Prince and Lemon Streets, Lancaster, Pa.
by the AMERICAN METEOROLOGICAL SOCIETY
45 Beacon Street, Boston, Mass. 02108

TABLE OF CONTENTS

Vol. 19, 1968

Number	**Month**	**Page**	**Current Abstracts item number**
1	Jan.	*1*	19.1-1 to 19.1-600
2	Feb.	*217*	19.2-1 to 19.2-613
3	March	*433*	19.3-1 to 19.3-726
4	April	*681*	19.4-1 to 19.4-774
5	May	*951*	19.5-1 to 19.5-776
6	June	*1215*	19.6-1 to 19.6-807
7	July	*1485*	19.7-1 to 19.7-860
8	Aug.	*1775*	19.8-1 to 19.8-800
9	Sept.	*2055*	19.9-1 to 19.9-875
10	Oct.	*2361*	19.10-1 to 19.10-802
11	Nov.	*2627*	19.11-1 to 19.11-814
12	Dec.	*2909*	19.12-1 to 19.12-822
	Jan.-Dec.	*3195*	**Author and Subject Indexes**

METEOROLOGICAL AND GEOASTROPHYSICAL ABSTRACTS

MALCOLM RIGBY, EDITOR

Volume 19, 1968

Published monthly at Prince and Lemon Streets, Lancaster, Pa.
by the AMERICAN METEOROLOGICAL SOCIETY
45 Beacon Street, Boston, Mass. 02108

TABLE OF CONTENTS

Vol. 19, 1968

Number	**Month**	**Page**	**Current Abstracts item number**
1	Jan.	*1*	19.1-1 to 19.1-600
2	Feb.	*217*	19.2-1 to 19.2-613
3	March	*433*	19.3-1 to 19.3-726
4	April	*681*	19.4-1 to 19.4-774
5	May	*951*	19.5-1 to 19.5-776
6	June	*1215*	19.6-1 to 19.6-807
7	July	*1485*	19.7-1 to 19.7-860
8	Aug.	*1775*	19.8-1 to 19.8-800
9	Sept.	*2055*	19.9-1 to 19.9-875
10	Oct.	*2361*	19.10-1 to 19.10-802
11	Nov.	*2627*	19.11-1 to 19.11-814
12	Dec.	*2909*	19.12-1 to 19.12-822
	Jan.-Dec.	*3195*	**Author and Subject Indexes**

SELECTED LIST OF SERIAL PUBLICATIONS MOST FREQUENTLY CITED IN METEOROLOGICAL AND GEOASTROPHYSICAL ABSTRACTS

hese serial publications regularly contain an abundance of material on meteorology and oastrophysics. The form used in *MGA* is given below.

ta Climatologica, Szeged, Hungary
ta Geophysica Polonica, Warsaw
ta Meteorologica Sinica, Peking
lvances in Geophysics, N. Y.
lvances in Space Science and Technology, N. Y.
ricultural Meteorology, Amsterdam
cademiia Nauk SSSR, Doklady, Ser. Matematika, Fizika
cademiia Nauk SSSR. Izvestiia. Fizika Atmosfery Okeana
cademiia Nauk SSSR. Izvestiia. Fizika Zemli
cademiia Nauk SSSR. Izvestiia. Ser. Geogr.
cademiia Nauk SSSR. Izvestiya. Atmospheric and Oceanic Physics
cademiia Nauk SSSR. Institut Okeanologii, Trudy
cademiia Nauk SSSR. Mezhduvedomstvennyĭ Geofizicheskiĭ Komitet Regul'taty Issledovaniĭ po Programme MGG [Various series]
cademiia Nauk Ukrainskoĭ RSR. Morskoĭ Gidrofizicheskiĭ Institut, Trudy
nerican Geophysical Union, Geophysical Monographs
nerican Geophysical Union, Transactions
nerican Meteorological Society, Bulletin
ngewandte Meteorologie, Berlin
nnales d'Astrophysique, Paris
nnales de Géophysique, Paris
nnali di Geofisica, Rome
rchiv für Meteorologie, Geophysik und Bioklimatologie, Ser. A [and] Ser. B, Vienna
kiv för Geofysik, Stockholm
stronomical Journal, New Haven, Conn.
stronomicheskiĭ Zhurnal, Moscow
strophysical Journal, Chicago
ustralian Journal of Physics, Melbourne
ustralian Meteorological Magazine, Melbourne
eiträge zur Geophysik, Leipzig
eiträge zur Physik der Atmosphäre, Frankfurt a.M.
ulgaria. Institut po Khidrologiia i Meteorologiia, Izvestiia
ulletin de Géophysique, Montreal
anada. Meteorological Branch, Circular
anadian Journal of Physics, Ottawa
el et Terre, Brussels
al'nevostochnyĭ Nauchno-Issledovatel'skiĭ Gidrometeorologicheskiĭ Institut, Vladivostok, Trudy
eutsche Hydrographische Zeitschrift, Hamburg
rance. Comité Central d'Océanographie et d'Etude des Côtes, Cahiers Océanographiques
ance. Météorologie Nationale, Monographies
eofisica et Meteorologia, Genoa
eofysiske Publikasjoner, Oslo
eograficheskoe Obshchestvo SSSR, Izvestiia
eomagnetism and Aeronomy, Wash., D. C.
eomagnetizm i Aeronomiia, Moscow
eophysica, Helsinki
eophysical Journal, London
eophysical Magazine, Tokyo
ermany (Federal Republic). Deutscher Wetterdienst, Berichte
ermany (Federal Republic). Deutscher Wetterdienst, Mitteilungen
reat Britain. Meteorological Office, Scientific Papers
amburg. Seewetteramt, Einzelveröffentlichungen
elsinki. Universitet. Meteorologiska Institutet, Mitteilungen
idrotehnica, Gospodărirea Apelor, Meteorologia, Bucharest
ungary. Országos Meteorológiai Intézet, Hivatalos Kiadványai
ojárás, Budapest
ndian Journal of Meteorology and Geophysics, Delhi
nternational Journal of Biometeorology, Amsterdam
apan. Science Council. Ionosphere Research Committee, Report of Ionosphere and Space Research in Japan
Journal de Mécanique et de Physique de l'Atmosphère, Paris
Journal de Recherches Atmosphériques, Clermont-Ferrand
Journal of Agricultural Meteorology, Tokyo
Journal of Applied Meteorology, Boston
Journal of Geomagnetism and Geoelectricity, Kyoto, Japan
Journal of Geophysical Research, Wash., D. C.
Journal of Glaciology, Cambridge, England
Journal of Hydrology, Amsterdam
Journal of Marine Research, New Haven
Journal of Meteorological Research, Tokyo
Journal of the Atmospheric Sciences, Boston
Khidrologiia i Meteorologiia, Sofia
Kiev. Ukraine. Nauchno-Issledovatel'skiĭ Gidrometeorologicheskiĭ Institut, Trudy
Kosmicheskie Issledovaniia, Moscow
Leningrad. Glavnaia Geofizicheskaia Observatoriia, Trudy
Leningrad. Gosudarstvennyĭ Gidrologicheskiĭ Institut, Trudy
Leningrad. Nauchno-Issledovatel'skiĭ Institut-Aeroklimatologii, Trudy
Limnology and Oceanography, Lawrence, Kan.
Marine Observer, London
Meteoritika, Moscow
Meteorological Magazine, London
Meteorological Monographs, Boston
Meteorological Society of Japan, Tokyo, Journal
Meteorologické Zprávy, Prague
Météorologie, Paris
Meteorologiia i Gidrologiia, Moscow
Meteorologische Rundschau, Berlin
Monthly Weather Review, Wash., D. C.
Moscow. Gosudarstvennyĭ Okeanograficheskiĭ Institut, Trudy
Moscow. Tsentral'naia Aerologicheskaia Observatoriia, Trudy
Moscow. Tsentral'nyĭ Institut Prognozov, Trudy
Nagoya. Univ. Research Institute of Atmospherics, Proceedings
Netherlands Journal of Sea Research, Den Helden
New Zealand Journal of Geology and Geophysics, Wellington
Oceanographical Society of Japan, Tokyo, Journal
Oceanography and Marine Biology, London
Okeanologiia, Moscow
Planetary and Space Science, Oxford
Problemy Arktiki i Antarktiki, Leningrad
Progress in Oceanography, Oxford
Przeglad Geofizyczny, Warsaw
Pure and Applied Geophysics, Basel
Radio Science, Wash., D. C.
Reviews of Geophysics, Wash., D. C.
Rivista di Meteorologia Aeronautica, Rome
Royal Meteorological Society, London, Quarterly Journal
Rumania. Institutul Meteorologic, Bucharest, Culegere de Lucrări
Sendai, Japan. Tohoku Univ., Science Reports, 5th Ser., Geophysics
Soviet Hydrology: Selected Papers, Wash., D. C.
Space Science Reviews, Dordrecht, Holland
Srednеaziatskiĭ Nauchno-Issledovatel'skiĭ Gidrometeorologicheskiĭ Institut, Trudy
Studia Geophysica et Geodaetica, Prague
Tellus, Stockholm
Water Resources Research, Wash., D. C.
Weather, London
Weatherwise, Boston
Wetter und Leben, Vienna
World Meteorological Organization, Technical Notes
World Meteorological Organization. WMO Bulletin
Zeitschrift für Meteorologie, Berlin

TABLE OF CONTENTS

Meteorological and Geoastrophysical Abstracts

Volume 19, INDEXES, Jan.–Dec. 1968

Errata ii
List of Bibliographies published in Vol. 1 No. 1, Jan. 1950–Vol. 15, No. 12, 1964.......... iii

CUMULATIVE INDEXES

AUTHOR 3195
List of authors with titles of articles and number of entry
CONTRACTS 3487
GRANTS 3489
TRANSLATIONS 3490
SUBJECT 3499
List of subjects with authors and number of entry
GEOGRAPHIC 3706
List of geographic places used as subjects and number of entry
LIST OF PERIODICALS REGULARLY ABSTRACTED .... Cover 3